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This method is used to establish the tables and graphs for the confidence intervals of this law and its derived forms.

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Détermination des intervalles de confiance de la loi Pearson III par les statistiques d'ordre

par
B. Bobée, G. Morin

SOMMAIRE

Détermination des intervalles de confiance de la loi Pearson III par les statistiques d'ordre.

La connaissance des fonctions de distribution des statistiques d'ordre, pour la loi Pearson III et ses formes dérivées, peut servir à déterminer les intervalles de confiance associés à cette loi.

Cette méthode a été utilisée pour établir des tableaux et des courbes d'intervalles de confiance pour la loi Pearson III et ses formes dérivées.

Mots-clés: Pearson III, statistiques d'ordre, intervalle de confiance.

Bobée, B. et G. Morin. Détermination des intervalles de confiance de la loi Pearson III par les statistiques d'ordre. Québec, INRS-Eau, 1972. Rapport technique no 6. 21 p. 3 annexes.

ABSTRACT

Determination of the confidence intervals of
the Pearson III law using order statistics.

The knowledge of the distribution functions of the order statistics for the Pearson III law and its derived forms is used for determining the confidence intervals associated with this law.

This method is used to establish the tables and graphs for the confidence intervals of this law and its derived forms.

Key words: Pearson III, order statistics, confidence intervals.

Bobée, B. et G. Morin. Détermination des intervalles de confiance de la loi Pearson III par les statistiques d'ordre. Québec, INRS-Eau, 1972. Rapport technique no 6. 21 p. 3 annexes.

TABLE DES MATIERES

Table des matières (Suite)

LISTE DES SYMBOLES

C_s : Coefficient d'asymétrie..

C_v : Coefficient de variation.

f : Fonction densité de probabilité de la loi Pearson III.

F : Fonction de distribution cumulée de la loi Pearson III.

h : Fonction densité de probabilité de la statistique d'ordre k pour la loi Pearson III.

H : Fonction de distribution cumulée de la statistique d'ordre k pour la loi Pearson III.

H_a : Fonction de distribution cumulée de la statistique d'ordre k pour la loi Pearson III à coefficient d'asymétrie négatif.

k : Ordre des éléments classés de l'échantillon.

N : Taille de l'échantillon.

P_k : Probabilité empirique.

Q : Débit.

$\bar{Q}$: Débit moyen.

y_k : Elément d'ordre k de l'échantillon.

Y_k : Variable aléatoire représentant la statistique d'ordre k.

Z; Z_{1k}; Z_{2k} : Valeurs de la variable standardisée de la loi Pearson III.

$(1 - \alpha)$: Niveau de confiance.

σ : Ecart-type.

DETERMINATION DES INTERVALLES DE CONFIANCE DE LA LOI PEARSON III PAR LES STATISTIQUES D'ORDRE

La loi Pearson III et les différentes formes qu'elle peut prendre sont d'une grande utilité pour représenter des données dans de nombreux domaines et particulièrement en hydrologie. Cependant, lorsqu'une telle loi s'applique il est important de connaître les intervalles de confiance qui lui sont associés. Ces intervalles de confiance dépendent de la taille de l'échantillon de base, du coefficient d'asymétrie de la loi et du niveau de confiance désirée.

La méthode employée pour déterminer ces intervalles de confiance est basée sur les statistiques d'ordre, elle nous permet de construire des tableaux et graphiques pour les cas rencontrés en pratique.

1. LES DIFFERENTES FORMES DE LA LOI PEARSON

1.1 Les formes classiques

La fonction la plus usuelle est la loi Gamma à 2 paramètres qui donne en général de bons résultats, la détermination des paramètres pouvant se faire par la méthode du maximum de vraisemblance.

La loi Pearson III à 3 paramètres, introduit comme paramètre supplémentaire, un paramètre d'origine, mais ne présente un intérêt réel que si la valeur de ce paramètre est connue à priori, en effet, la méthode du maximum de vraisemblance ne peut s'appliquer pour la loi à 3 paramètres car le domaine de variation de la variable est fonc-

tion du paramètre d'origine. On peut cependant utiliser la méthode des moments pour estimer ces paramètres.

Pour toutes ces formes on se ramène à la loi standardisée en enlevant la moyenne et divisant par l'écart-type. On obtient ainsi une variable standardisée de moyenne 0 et de variance 1, qui ne dépend plus que d'un seul paramètre directement relié au coefficient d'asymétrie.

Le coefficient d'asymétrie est le même quelle que soit la forme de loi utilisée (cf : table 1).

1.2 Les formes dérivées

Lorsque le logarithme des événements est distribué suivant une loi Pearson III, les événements suivent une loi Log Pearson III. De manière pratique si la distribution des événements présente une forte asymétrie, la distribution des logarithmes a un coefficient d'asymétrie moins élevé.

Le Comité d'hydrologie du Conseil des Ressources en eau des Etats-Unis (1967) suggère l'emploi systématique de la loi Log Pearson III pour l'étude des crues.

La loi Pearson III a un coefficient d'asymétrie positif, cependant, il est possible de dériver une loi de densité de probabilité correspondant à un coefficient d'asymétrie négatif et dont les propriétés

Loi	Fonction, densité de probabilité	Caractéristiques	Moyenne u	Variance σ^2	Coefficient (C_s) d'asymétrie
Pearson III (3 paramètres)	$\frac{\alpha^\lambda}{\Gamma(\lambda)} e^{-\alpha(x-m)} (x-m)^{\lambda-1} dx$	$m \leqslant x < \infty$ $o < \alpha$ $o < \lambda$	$\frac{\lambda}{\alpha} + m$	$\frac{\lambda}{\alpha^2}$	$2/\sqrt{\lambda}$
Gamma (2 paramètres)	$\frac{\alpha^\lambda}{\Gamma(\lambda)} e^{-\alpha u} u^{\lambda-1} du$	$o \leqslant u < \infty$ $\alpha > o$ $\lambda > o$	$\frac{\lambda}{\alpha}$	$\frac{\lambda}{\alpha^2}$	$2/\sqrt{\lambda}$
Gamma (1 paramètre)	$\frac{1}{\Gamma(\lambda)} e^{-v} v^{\lambda-1} dv$	$o < v < \infty$ $\lambda > o$	λ	λ	$2/\sqrt{\lambda}$
Forme standardisée	$K e^{-\lambda t} (t + \sqrt{\lambda})^{\lambda-1} dt$ $K = \frac{e^{-\lambda} (\sqrt{\lambda})^\lambda}{\Gamma(\lambda)}$	$-\sqrt{\lambda} < t < \infty$ $\lambda > o$	0	1	$2/\sqrt{\lambda}$

TABLE 1 FORME DE LA LOI PEARSON III

sont directement reliées aux formes classiques de la loi Pearson III. Pour les distributions d'événements ordonnées (statistique d'ordre) des relations existent entre la forme à coefficient positif et celle à coefficient d'asymétrie négatif (Bobée - Morin 1972).

1.3 Généralité de la loi Pearson III

La loi Pearson III possède donc une grande variété de formes, ce qui explique son emploi fructueux dans de nombreux domaines. D'autre part plusieurs lois peuvent être considérées comme des cas particuliers de la loi Pearson III.

- La loi Pearson III se comporte asymptotiquement comme une loi normale lorsque le coefficient d'asymétrie devient nul, le même lien existe entre les lois Log Pearson III et Log Normale.

- La distribution χ^2 (khi-deux) est un cas particulier de la loi Pearson III à 2 paramètres (Loi Gamma).

- La distribution d'Erlang qui correspond à une distribution Gamma (2 paramètres) avec λ entier est donc un cas particulier de Pearson III. Cette loi est très utilisée dans la théorie des queues.

- La loi Pearson III est très générale puisqu'elle comporte comme cas particulier plusieurs autres lois, ce qui justifie son étude approfondie.

2. DETERMINATION DES INTERVALLES DE CONFIANCE PAR LES STATISTIQUES D'ORDRE

2.1 Position du problème

On considère un échantillon de taille N représentant une série de données, que l'on suppose tiré d'une population qui suit une loi Pearson III ou l'une de ses formes dérivées. Les paramètres de la loi utilisée sont déterminés par la méthode la plus adéquate (méthode des moments ou méthode du maximum de vraisemblance).

On se ramène à une variable standardisée de moyenne nulle et de variance unité. On veut construire les intervalles de confiance à un niveau de confiance donné pour la loi standardisée.

J.S. Gladwell et Cheng Nan Lin (1969) ont déterminé les intervalles de confiance de la loi normale standardisée par application des statistiques d'ordre, c'est à dire les fonctions de distribution cumulée des événements d'ordre 1, ---, k, ---, N.

Cette méthode nécessite le choix d'une probabilité empirique pour les événements ordonnés (plotting position).

Nous utiliserons la même démarche pour déterminer les intervalles de confiance de la loi Pearson III standardisée (qui comprend la loi normale comme cas particulier lorsque le coefficient d'asymétrie devient nul).

2.2 Statistiques d'ordre

On considère un échantillon de taille N que l'on classe par ordre croissant:

$$y_1 < y_2 \text{ -- -- } < y_n$$

Si l'on admet que l'échantillon est tiré d'une population dont la densité de probabilité est f, fonction continue et la fonction de distribution cumulée F. On peut montrer, Kendall (1963), que la fonction densité de probabilité de l'événement ordonné Y_k est:

$$h(Y_k) = \frac{N!}{(k-1)!\,(N-k)!} \left[F(Y_k)\right]^{k-1} \left[1-F(Y_k)\right]^{N-k} f(Y_k)$$

$F(Y_k)$ et $f(Y_k)$ sont les valeurs des fonctions F et f pour Y_k

$h(Y_k)$ est la densité que l'on obtiendrait si l'on avait une infinité de réalisations y_k de la variable Y_k.

Il est alors possible d'en déduire la fonction de distribution cumulée

$$H(Z, k) = Pr\left[Y_k \leqslant Z\right] = \int_a^Z h(Y_k)\, dY_k$$

a étant la limite inférieure du domaine de variation de la variable de densité f.

Les fonctions de distributions cumulées des Y_k ont été tabulées et construites graphiquement dans le cas de la forme standardisée de la loi Pearson III et pour la forme dérivée à asymétrie négative (Bobée - Morin 1972).

2.3 Méthode de détermination des intervalles de confiance

Pour C_s et N donnés (respectivement coefficient d'asymétrie et taille de l'échantillon) il y a N courbes pour $k = 1, 2, \text{---} N$. Pour k donné on veut déterminer z_{1k} et z_{2k} tels que:

$$\Pr \left[z_{1k} \leqslant Y_k \leqslant z_{2k} \right] = 1 - \alpha$$

on obtient l'intervalle de confiance au niveau $(1 - \alpha)$
on détermine z_{1k} et z_{2k} par:

$$\Pr \left[Y_k \leqslant z_{2k} \right] = 1 - \alpha/2$$

$$\Pr \left[Y_k \leqslant z_{1k} \right] = \frac{\alpha}{2}$$

Puisque la distribution de probabilité cumulée $H(Z, k)$ est connue grâce aux statistiques d'ordre, il est possible de déterminer z_{1k} et z_{2k} qui sont respectivement les limites inférieure et supérieure de l'intervalle de confiance au niveau $(1 - \alpha)$.

z_{1k} et z_{2k} sont tels que:

$$H\ (z_{1k},\ k) = \alpha/2$$

$$H\ (z_{2k},\ k) = 1 - \frac{\alpha}{2}$$

D'autre part, la variable d'ordre k correspond à une probabilité empirique P_k (plotting position), on obtient ainsi les points:

$$A_{1k}\ (P_k,\ z_{1k})$$

$$A_{2k}\ (P_k,\ z_{2k})$$

En faisant varier k $(k = 1, ---, N)$, on peut alors déterminer les courbes limites supérieure et inférieure de l'intervalle de confiance au niveau $(1 - \alpha)$ pour C_s et N donnés.

2.4 Choix de la probabilité P_k

Pour la détermination pratique des intervalles de confiance, il faut connaître la probabilité expérimentale P_k, de nombreuses formules empiriques existent.

Gumbel (1958) donne les conditions que doit vérifier P_k, parmi les formules utilisées généralement citons:

$$P_k = \frac{k}{N + 1} \qquad \text{(Formule de Weibull)}$$

$$P_k = \frac{k - .3}{N + .4} \qquad \text{(Formule de Chegodayev)}$$

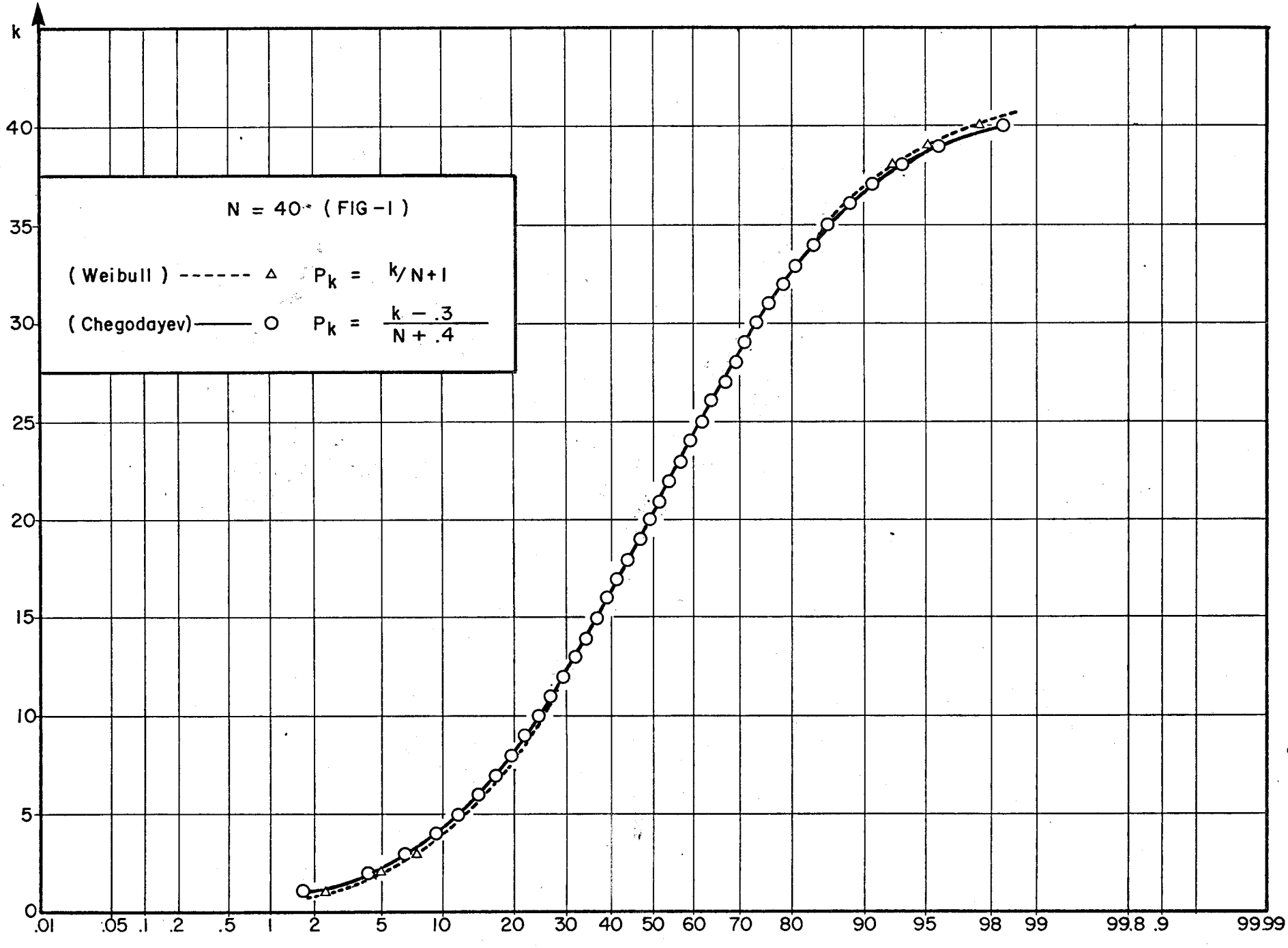
$k = 1, \text{---} N$ est le rang de la valeur;
N est la taille de l'échantillon.

Toutes les formules empiriques montrent des différences dans les valeurs extrèmes et sont pratiquement identiques dans la zone centrale.

Le choix de la formule appropriée dépend de l'utilisation que l'on veut en faire.

Dans les calculs d'intervalle de confiance que nous avons effectués, nous avons employé la formule de Chegodayev. Si cependant une raison conduit à l'utilisation d'une autre formule, et si une bonne précision est désirée, les calculs peuvent être repris à partir des courbes de statistiques d'ordre, mais en pratique ces formules conduisent à des courbes d'intervalle de confiance très voisines.

La figure 1 montre pour $N = 40$, la variation de P_k suivant que l'on utilise la formule de Weibull ou celle de Chegodayev.


k
40
35
30
25
20
15
10
5
0
N = 40 (FIG-1)
(Weibull) ------ △ $P_k = k/N+1$
(Chegodayev) —— O $P_k = \frac{k-.3}{N+.4}$
.01
.05
.1
.2
.5
1
2
5
10
20
30
40
50
60
70
80
90
95
98
99
99.8
.9
99.99

2.5 Intervalles de confiance pour la loi Pearson d'asymétrie négative

Pour un coefficient d'asymétrie positif C_s, et pour une taille d'échantillon N donnés, on connaît les limites de l'intervalle de confiance au niveau $(1 - \alpha)$ et on veut déterminer les limites pour la loi standardisée dont le coefficient d'asymétrie est $- C_s$, N et α restant les mêmes.

Comme nous l'avons vu (2.3) les limites inférieure et supérieure de l'intervalle de confiance pour la courbe à coefficient d'asymétrie positif sont:

$$A_{1k} = (P_k, Z_{1k})$$

$$A_{2k} = (P_k, Z_{2k})$$

D'autre part, pour N donné on peut montrer (Bobée - Morin 1972) que les statistiques d'ordre des lois standardisées:

(A) à coefficient d'asymétrie positif $C_s = + \lambda$

(B) à coefficient d'asymétrie négatif opposé $C_s = - \lambda$

λ étant un nombre positif;

sont reliées par:

$$H_a\ (-Z,\ N - k + 1) = 1 - H\ (+Z,\ k) \qquad (1)$$

H étant la fonction de distribution cumulée de la statistique d'ordre k pour la loi (A);

H_a étant la fonction de distribution cumulée de la statistique d'ordre (N - k + 1) pour la loi (B).

Z_{1k} et Z_{2k} sont définis par:

$$\begin{cases} H\ (Z_{1k},\ k) = \alpha/2 \\ H\ (Z_{2k},\ k) = 1 - \dfrac{\alpha}{2} \end{cases} \qquad (2)$$

Les limites inférieure et supérieure de l'intervalle de confiance au niveau (1 - α) pour la loi (B) sont pour l'ordre (N - k + 1), $Z'_{1,\ N-k+1}$ et $Z'_{2,\ N-k+1}$ tels que:

$$\begin{cases} H_a\ \left(Z'_{1,\ N-k+1},\ N - k + 1\right) = \dfrac{\alpha}{2} \\ H_a\ \left(Z'_{2,\ N-k+1},\ N - k + 1\right) = 1 - \dfrac{\alpha}{2} \end{cases} \qquad (3)$$

On peut alors montrer à l'aide des relations (1), (2) et (3) que

$$\begin{cases} Z'_{1,\ N-k+1} = -\ Z_{2,\ k} \\ Z'_{2,\ N-k+1} = -\ Z_{1,\ k} \end{cases}$$

et l'on obtient les points limites de l'intervalle de confiance pour la loi (B) à coefficient d'asymétrie négatif

$$B_{1,\ N-k+1} : (P_{N-k+1},\ Z'_{1,\ N-k+1})$$

$$B_{2,\ N-k+1} : (P_{N-k+1},\ Z'_{2,\ N-k+1})$$

Comme de plus $P_k + P_{N-k+1} = 1$, il est alors aisé de voir que les points $B_{1,\ N-k+1}$ et $B_{2,\ N-k+1}$ sont respectivement les symétriques par rapport au point O ($P = .5$, $z = 0$) des points $A_{2,k}$ et $A_{1,k}$ (voir figure 2).

Il est donc possible de déduire les courbes limites de l'intervalle de confiance de la loi (B) (coefficient d'asymétrie négatif $C_s = -\lambda$) des limites de la loi (A) ($C_s = +\lambda$), pour N et α fixés, en effectuant une symétrie par rapport au point O ($P = .5$, $Z = 0$). Dans cette symétrie la limite supérieure de l'intervalle de confiance de (A) devient la limite inférieure pour (B).

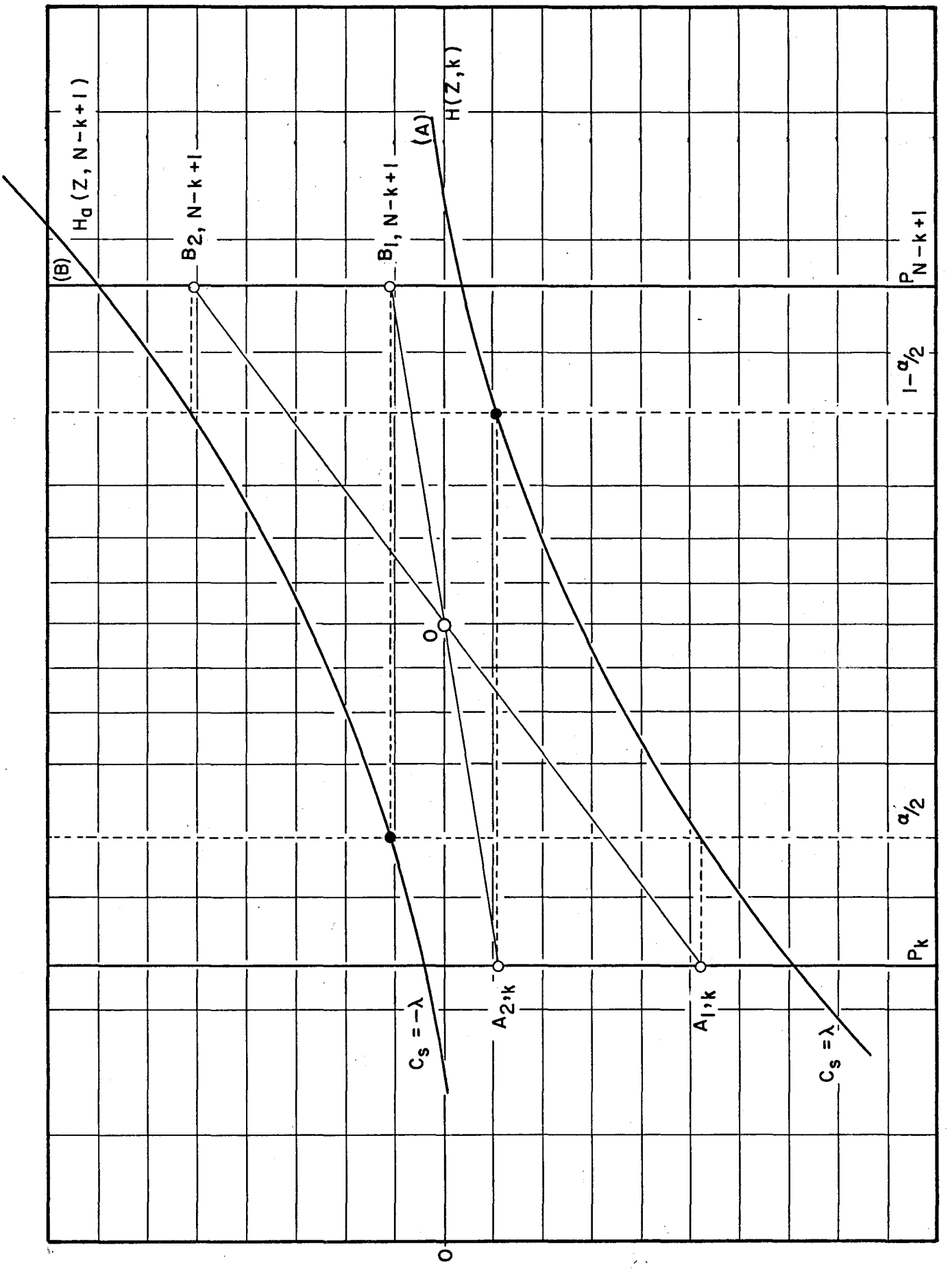


FIG - 2 . Relations entre les limites des intervalles de confiance.

3. RESULTATS ET APPLICATION

3.1 Tables et graphiques

Les tables d'intervalles de confiance sont calculées par la méthode décrite précédemment, le programme de calcul (CINT) figure en annexe C.

Les calculs sont effectués pour

C_s = (0; 1.9) avec un pas de .1

N = 10, 20, 40, 60, 80, 100.

Pour chaque couple (C_s, N) on considère les niveaux de confiance:

95%, 90%, 80%;

les valeurs pour les coefficients d'asymétrie négatif sont déduites (cf 2.5).

Ces tables (annexe A) donnent les limites supérieure et inférieure des intervalles de confiance pour les cas rencontrés en pratique en fonction de la probabilité au dépassement.

Pour chaque valeur de C_s, et pour chaque niveau de confiance les intervalles de confiance ont été tracés en fonction de N et figurent en annexe B.

Les courbes sont faites pour $C_s > o$, pour la valeur négative opposée du coefficient d'asymétrie, les courbes se déduisent (cf 2.5). La courbe centrale correspond à la courbe de distribution cumulée théorique pour le C_s considéré, cette courbe est donnée par les tables de Harter (1969).

3.2 Exemple d'application

On considère une série de débits mensuels (mois de septembre) à la station 061003 (Rivière Kénogami). La taille de l'échantillon est $N = 62$.

On a ajusté sur cette série une loi Gamma (Pearson III à 2 paramètres) dont les caractéristiques sont:

Moyenne $\overline{Q} = 2403$ pi^3/sec

Ecart-type $\sigma_Q = 1039$ pi^3/sec

Coefficient de variation $C_v \simeq .43$

Un test en khi-deux montre que la loi Gamma s'applique, la relation $C_s = 2\, C_v$ est donc valable et le coefficient d'asymétrie est

$$C_s = .86$$

Le coefficient d'asymétrie calculé à partir de l'échantillon est $C_s' = .92$.

Cherchons les limites du débit dont la période de retour est $T = 50$ ans pour un niveau de confiance de 90%.

On cherche dans la table correspondant à $C_s = .9$ pour le niveau de confiance 90% et $N = 60$ (Annexe B).

Les valeurs de la variable standardisée sont pour la probabilité au dépassement 2%:

$$Z_1 = 1.683$$

$$Z_2 = 3.725$$

Les limites inférieure et supérieure du débit Q_{50} sont:

$$(Q_{50})_{inf} = \bar{Q} + Z_1 \sigma_Q$$

$$(Q_{50})_{sup} = \bar{Q} + Z_2 \sigma_Q$$

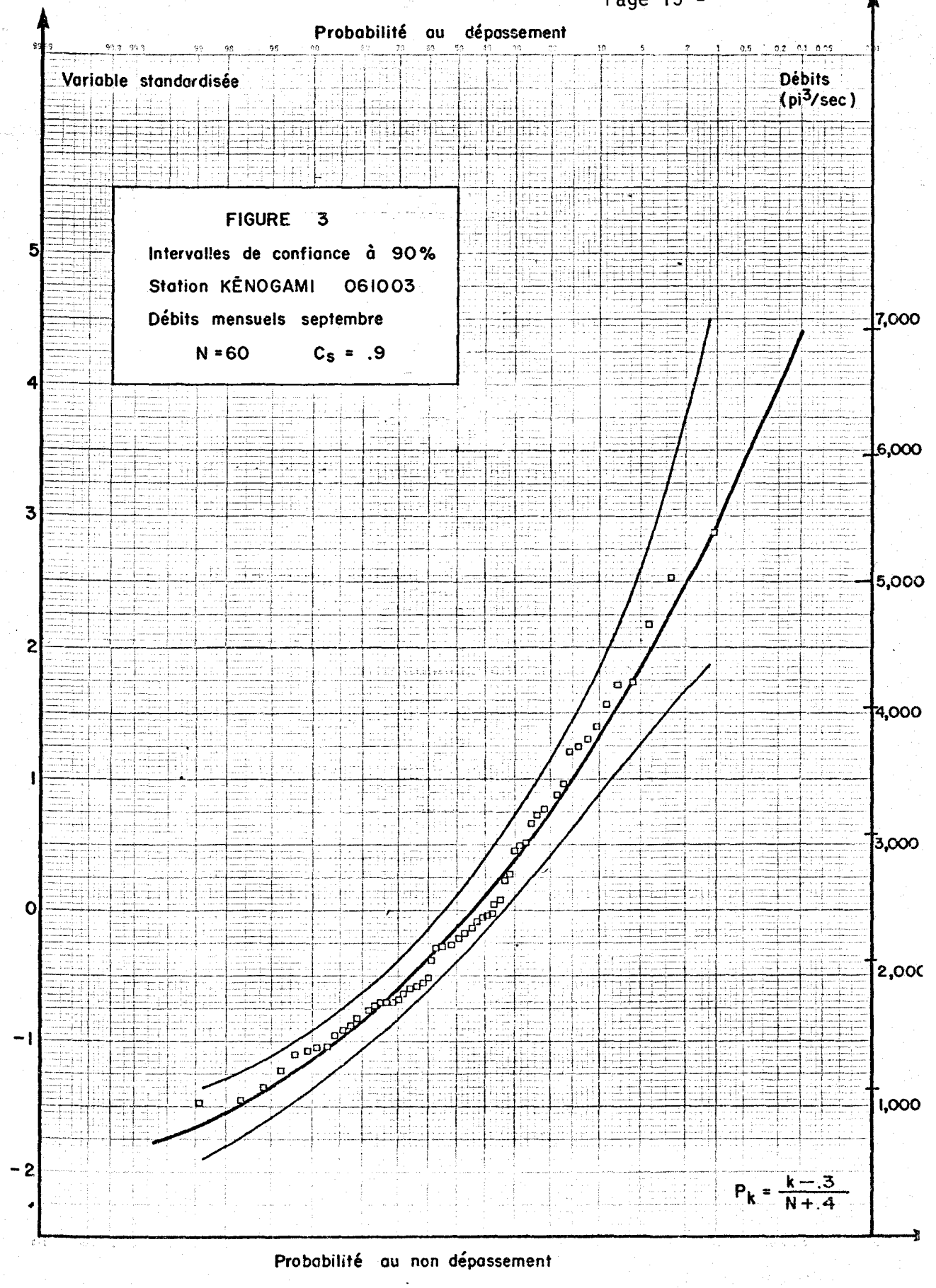
$$(Q_{50})_{inf} = 4150 \text{ pi}^3/\text{sec}$$

$$(Q_{50})_{sup} = 6300 \text{ pi}^3/\text{sec}$$

Donc dans 90% des cas le débit va être situé entre ces 2 limites.

La valeur du débit cinquantenaire théorique correspondant à $C_s = .9$ est d'après la table de Harter (1969).

$$Q_{50} = 2403 + (2.498 * 1039) \simeq 4993 \text{ pi}^3/\text{sec}$$


Probabilité au dépassement
Variable standardisée
Débits (pi³/sec)
FIGURE 3
Intervalles de confiance à 90%
Station KĒNOGAMI 061003
Débits mensuels septembre
N = 60 Cs = .9
5
4
3
2
1
0
-1
-2
7,000
6,000
5,000
4,000
3,000
2,000
1,000
$P_k = \frac{k-.3}{N+.4}$
Probabilité au non dépassement

Les intervalles de confiance, la loi théorique et les points expérimentaux sont tracés sur la figure 3.

La formule de probabilité empirique utilisée est celle de Chegodayev

$$P_k = \frac{k - .3}{N + .4}$$

CONCLUSION

La loi Pearson III et ses différentes formes dérivées sont d'un usage courant dans de nombreux domaines. Les intervalles de confiance sont importants à connaître lors de l'utilisation d'une telle loi. Dans ce rapport on détermine ces intervalles en s'appuyant sur la méthode des statistiques d'ordre. Les résultats sont obtenus avec la formule de probabilité de Chegodayev, cependant, le programme CINT permet le calcul à l'aide de toute autre formule qui serait appropriée dans un cas particulier, les changements ne sont sensibles que dans les extrêmes.

Les valeurs du coefficient d'asymétrie considérées sont celles rencontrées en pratique, pour des coefficients d'asymétrie plus élevés, il est possible d'utiliser la loi Log Pearson III.

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ANNEXE A

TABLES D'INTERVALLES DE CONFIANCE POUR:

C_s = ± (0; 1.9) pas: .1

N = 10, 20, 40, 60, 80, 100

Niveau de confiance: 95%; 90%; 80%

Les tables donnent les valeurs de la variable standardisée pour la limite supérieure et inférieure de l'intervalle de confiance, en fonction des probabilités au dépassement.

INTERVALLES DE CONFIANCE POUR LA LOI GAMMA N= 10

ASYMETRIE = 0.00

	INTERVALLE 95		INTERVALLE 90		INTERVALLE 80	
PROBABILITE	.025	.975	.050	.950	.100	.900
.067	.500	2.804	.646	2.568	.821	2.309
.100	.360	2.427	.499	2.225	.663	2.002
.200	.027	1.761	.153	1.606	.302	1.431
.300	-.248	1.351	-.126	1.214	.016	1.059
.400	-.504	1.035	-.382	.907	-.242	.761
.500	-.760	.760	-.637	.637	-.496	.496
.600	-1.035	.504	-.907	.382	-.761	.242
.700	-1.351	.248	-1.214	.126	-1.059	-.016
.800	-1.761	-.027	-1.606	-.153	-1.431	-.302
.900	-2.427	-.360	-2.225	-.499	-2.002	-.663
.933	-2.804	-.500	-2.568	-.646	-2.309	-.821

ASYMETRIE = -0.00

	INTERVALLE 95		INTERVALLE 90		INTERVALLE 80	
PROBABILITE	.025	.975	.050	.950	.100	.900
.067	.500	2.804	.646	2.568	.821	2.309
.100	.360	2.427	.499	2.225	.663	2.002
.200	.027	1.761	.153	1.606	.302	1.431
.300	-.249	1.351	-.126	1.214	.016	1.059
.400	-.504	1.035	-.382	.907	-.242	.761
.500	-.760	.760	-.637	.637	-.496	.496
.600	-1.035	.504	-.907	.382	-.761	.242
.700	-1.351	.248	-1.214	.126	-1.059	-.016
.800	-1.761	-.027	-1.606	-.153	-1.431	-.302
.900	-2.427	-.360	-2.225	-.499	-2.002	-.663
.933	-2.804	-.500	-2.568	-.646	-2.309	-.821

INTERVALLES DE CONFIANCE POUR LA LOI GAMMA N= 20

ASYMETRIE = 0.00

	INTERVALLE 95		INTERVALLE 90		INTERVALLE 80	
PROBABILITE	.025	.975	.050	.950	.100	.900
.034	.960	3.020	1.084	2.800	1.233	2.559
.050	.855	2.688	.972	2.500	1.111	2.294
.100	.604	2.091	.707	1.951	.830	1.796
.200	.250	1.491	.342	1.383	.451	1.260
.300	-.033	1.111	.055	1.015	.158	.905
.400	-.290	.810	-.203	.719	-.102	.615
.500	-.543	.543	-.456	.456	-.355	.355
.600	-.810	.290	-.719	.203	-.615	.103
.700	-1.111	.033	-1.015	-.055	-.905	-.158
.800	-1.491	-.250	-1.383	-.342	-1.260	-.451
.900	-2.091	-.604	-1.951	-.707	-1.796	-.830
.950	-2.688	-.855	-2.500	-.972	-2.294	-1.111
.966	-3.020	-.960	-2.800	-1.084	-2.559	-1.233

ASYMETRIE = -0.00

	INTERVALLE 95		INTERVALLE 90		INTERVALLE 80	
PROBABILITE	.025	.975	.050	.950	.100	.900
.034	.960	3.020	1.084	2.800	1.233	2.559
.050	.855	2.688	.972	2.500	1.111	2.294
.100	.604	2.091	.707	1.951	.830	1.796
.200	.250	1.491	.342	1.383	.451	1.260
.300	-.033	1.111	.055	1.015	.158	.905
.400	-.290	.810	-.203	.719	-.102	.615
.500	-.543	.543	-.456	.456	-.355	.355
.600	-.810	.290	-.719	.203	-.615	.102
.700	-1.111	.033	-1.015	-.055	-.905	-.158
.800	-1.491	-.250	-1.383	-.342	-1.260	-.451
.900	-2.091	-.604	-1.951	-.707	-1.796	-.830
.950	-2.688	-.855	-2.500	-.972	-2.294	-1.111
.966	-3.020	-.960	-2.800	-1.084	-2.559	-1.233

INTERVALLES DE CONFIANCE POUR LA LOI GAMMA N= 40

ASYMETRIE = 0.00

PROBABILITE	INTERVALLE 95 .025	.975	INTERVALLE 90 .050	.950	INTERVALLE 80 .100	.900
.017	1.352	3.224	1.460	3.016	1.590	2.791
.020	1.321	3.104	1.425	2.910	1.552	2.698
.050	1.062	2.373	1.150	2.245	1.254	2.104
.100	.788	1.846	.865	1.750	.954	1.643
.200	.415	1.298	.482	1.223	.561	1.137
.300	.125	.938	.189	.871	.262	.794
.400	-.134	.647	-.072	.584	-.001	.510
.500	-.386	.386	-.324	.324	-.252	.252
.600	-.647	.134	-.584	.072	-.510	.001
.700	-.938	-.125	-.871	-.189	-.794	-.262
.800	-1.298	-.415	-1.223	-.482	-1.137	-.561
.900	-1.846	-.788	-1.750	-.865	-1.643	-.954
.950	-2.373	-1.062	-2.245	-1.150	-2.104	-1.254
.980	-3.105	-1.321	-2.910	-1.426	-2.698	-1.552
.983	-3.224	-1.353	-3.016	-1.460	-2.791	-1.590

ASYMETRIE = -0.00

PROBABILITE	INTERVALLE 95 .025	.975	INTERVALLE 90 .050	.950	INTERVALLE 80 .100	.900
.017	1.353	3.224	1.460	3.016	1.590	2.791
.020	1.321	3.105	1.426	2.910	1.552	2.698
.050	1.062	2.373	1.150	2.245	1.254	2.104
.100	.788	1.846	.865	1.750	.954	1.643
.200	.415	1.298	.482	1.223	.561	1.137
.300	.125	.938	.189	.871	.262	.794
.400	-.134	.647	-.072	.584	-.001	.510
.500	-.386	.386	-.324	.324	-.252	.252
.600	-.647	.134	-.584	.072	-.510	.001
.700	-.938	-.125	-.871	-.189	-.794	-.262
.800	-1.298	-.415	-1.223	-.482	-1.137	-.561
.900	-1.846	-.788	-1.750	-.865	-1.643	-.954
.950	-2.373	-1.062	-2.245	-1.150	-2.104	-1.254
.980	-3.104	-1.321	-2.910	-1.425	-2.698	-1.552
.983	-3.224	-1.352	-3.016	-1.460	-2.791	-1.590

INTERVALLES DE CONFIANCE POUR LA LOI GAMMA N= 60

ASYMETRIE = 0.00

PROBABILITE	INTERVALLE 95 .025	.975	INTERVALLE 90 .050	.950	INTERVALLE 80 .100	.900
.012	1.558	3.338	1.658	3.137	1.779	2.919
.020	1.436	2.906	1.526	2.750	1.634	2.581
.050	1.160	2.231	1.233	2.130	1.321	2.017
.100	.873	1.738	.937	1.662	1.011	1.575
.200	.491	1.213	.546	1.152	.611	1.082
.300	.197	.862	.249	.807	.309	.744
.400	-.064	.575	-.013	.523	.045	.463
.500	-.316	.316	-.265	.265	-.206	.206
.600	-.575	.064	-.523	.013	-.463	-.045
.700	-.862	-.197	-.807	-.249	-.744	-.309
.800	-1.213	-.491	-1.152	-.546	-1.082	-.611
.900	-1.738	-.873	-1.662	-.937	-1.575	-1.011
.950	-2.231	-1.160	-2.130	-1.233	-2.017	-1.321
.980	-2.906	-1.436	-2.750	-1.526	-2.581	-1.634
.988	-3.339	-1.558	-3.137	-1.658	-2.920	-1.779

ASYMETRIE = -0.00

PROBABILITE	INTERVALLE 95 .025	.975	INTERVALLE 90 .050	.950	INTERVALLE 80 .100	.900
.012	1.558	3.339	1.658	3.137	1.779	2.920
.020	1.436	2.906	1.526	2.750	1.634	2.581
.050	1.160	2.231	1.233	2.130	1.321	2.017
.100	.873	1.738	.937	1.662	1.011	1.575
.200	.491	1.213	.546	1.152	.611	1.082
.300	.197	.862	.249	.807	.309	.744
.400	-.064	.575	-.013	.523	.045	.463
.500	-.316	.316	-.265	.265	-.206	.206
.600	-.575	.064	-.523	.013	-.463	-.045
.700	-.862	-.197	-.807	-.249	-.744	-.309
.800	-1.213	-.491	-1.152	-.546	-1.082	-.611
.900	-1.738	-.873	-1.662	-.937	-1.575	-1.011
.950	-2.231	-1.160	-2.130	-1.233	-2.017	-1.321
.980	-2.906	-1.436	-2.750	-1.526	-2.581	-1.634
.988	-3.339	-1.558	-3.137	-1.658	-2.919	-1.779

INTERVALLES DE CONFIANCE POUR LA LOI GAMMA N= 80

ASYMETRIE = 0.00

	INTERVALLE 95		INTERVALLE 90		INTERVALLE 80	
PROBABILITE	.025	.975	.050	.950	.100	.900
.010	1.668	3.308	1.761	3.123	1.873	2.924
.020	1.508	2.784	1.588	2.652	1.684	2.508
.050	1.219	2.148	1.284	2.062	1.361	1.965
.100	.925	1.675	.981	1.609	1.046	1.535
.200	.536	1.162	.585	1.110	.641	1.050
.300	.240	.816	.285	.769	.337	.715
.400	-.022	.532	.022	.487	.073	.435
.500	-.274	.274	-.230	.230	-.179	.179
.600	-.532	.022	-.487	-.022	-.435	-.073
.700	-.816	-.240	-.769	-.285	-.715	-.337
.800	-1.162	-.536	-1.110	-.585	-1.050	-.641
.900	-1.675	-.925	-1.609	-.981	-1.535	-1.046
.950	-2.148	-1.219	-2.062	-1.284	-1.965	-1.361
.980	-2.784	-1.508	-2.652	-1.588	-2.508	-1.684
.990	-3.308	-1.668	-3.124	-1.761	-2.924	-1.873

ASYMETRIE = -0.00

	INTERVALLE 95		INTERVALLE 90		INTERVALLE 80	
PROBABILITE	.025	.975	.050	.950	.100	.900
.010	1.668	3.308	1.761	3.124	1.873	2.924
.020	1.508	2.784	1.588	2.652	1.684	2.508
.050	1.219	2.148	1.284	2.062	1.361	1.965
.100	.925	1.675	.981	1.609	1.046	1.535
.200	.536	1.162	.585	1.110	.641	1.050
.300	.240	.816	.285	.769	.337	.715
.400	-.022	.532	.022	.487	.073	.435
.500	-.274	.274	-.230	.230	-.179	.179
.600	-.532	.022	-.487	-.022	-.435	-.073
.700	-.816	-.240	-.769	-.285	-.715	-.337
.800	-1.162	-.536	-1.110	-.585	-1.050	-.641
.900	-1.675	-.925	-1.609	-.981	-1.535	-1.046
.950	-2.148	-1.219	-2.062	-1.284	-1.965	-1.361
.980	-2.784	-1.508	-2.652	-1.588	-2.508	-1.684
.990	-3.308	-1.668	-3.123	-1.761	-2.924	-1.873

INTERVALLES DE CONFIANCE POUR LA LOI GAMMA N= 100

ASYMETRIE = 0.00

	INTERVALLE 95		INTERVALLE 90		INTERVALLE 80	
PROBABILITE	.025	.975	.050	.950	.100	.900
.010	1.726	3.200	1.812	3.037	1.915	2.861
.020	1.559	2.700	1.632	2.585	1.720	2.458
.050	1.261	2.091	1.320	2.015	1.390	1.930
.100	.961	1.632	1.011	1.574	1.070	1.508
.200	.568	1.128	.611	1.081	.662	1.027
.300	.269	.785	.310	.743	.357	.694
.400	.006	.503	.046	.462	.092	.416
.500	-.245	.245	-.206	.206	-.160	.160
.600	-.503	-.006	-.462	-.046	-.416	-.092
.700	-.785	-.269	-.743	-.310	-.694	-.357
.800	-1.128	-.568	-1.081	-.611	-1.027	-.662
.900	-1.632	-.961	-1.574	-1.011	-1.508	-1.070
.950	-2.091	-1.261	-2.015	-1.320	-1.930	-1.390
.980	-2.701	-1.559	-2.585	-1.632	-2.458	-1.720
.990	-3.201	-1.726	-3.038	-1.812	-2.861	-1.915

ASYMETRIE = -0.00

	INTERVALLE 95		INTERVALLE 90		INTERVALLE 80	
PROBABILITE	.025	.975	.050	.950	.100	.900
.010	1.726	3.201	1.812	3.038	1.915	2.861
.020	1.559	2.701	1.632	2.585	1.720	2.458
.050	1.261	2.091	1.320	2.015	1.390	1.930
.100	.961	1.632	1.011	1.574	1.070	1.508
.200	.568	1.128	.611	1.081	.662	1.027
.300	.269	.785	.310	.743	.357	.694
.400	.006	.503	.046	.462	.092	.416
.500	-.245	.245	-.206	.206	-.160	.160
.600	-.503	-.006	-.462	-.046	-.416	-.092
.700	-.785	-.269	-.743	-.310	-.694	-.357
.800	-1.128	-.568	-1.081	-.611	-1.027	-.662
.900	-1.632	-.961	-1.574	-1.011	-1.508	-1.070
.950	-2.091	-1.261	-2.015	-1.320	-1.930	-1.390
.980	-2.700	-1.559	-2.585	-1.632	-2.458	-1.720
.990	-3.200	-1.726	-3.037	-1.812	-2.861	-1.915

INTERVALLES DE CONFIANCE POUR LA LOI GAMMA N= 10

ASYMETRIE = .10

	INTERVALLE 95		INTERVALLE 90		INTERVALLE 80	
PROBABILITE	.025	.975	.050	.950	.100	.900
.067	.486	2.918	.636	2.661	.815	2.381
.100	.345	2.508	.486	2.291	.654	2.051
.200	.009	1.795	.137	1.631	.287	1.448
.300	-.264	1.365	-.143	1.222	-.001	1.061
.400	-.517	1.036	-.397	.904	-.259	.754
.500	-.767	.754	-.647	.628	-.509	.484
.600	-1.033	.492	-.910	.369	-.768	.227
.700	-1.337	.233	-1.206	.110	-1.057	-.033
.800	-1.725	-.043	-1.579	-.169	-1.413	-.317
.900	-2.346	-.374	-2.159	-.511	-1.951	-.673
.933	-2.690	-.512	-2.475	-.656	-2.237	-.826

ASYMETRIE = -.10

	INTERVALLE 95		INTERVALLE 90		INTERVALLE 80	
PROBABILITE	.025	.975	.050	.950	.100	.900
.067	.512	2.690	.656	2.475	.826	2.237
.100	.374	2.346	.511	2.159	.673	1.951
.200	.043	1.725	.169	1.579	.317	1.413
.300	-.233	1.337	-.110	1.206	.033	1.057
.400	-.492	1.033	-.369	.910	-.227	.768
.500	-.754	.767	-.628	.647	-.484	.509
.600	-1.036	.517	-.904	.397	-.754	.259
.700	-1.365	.264	-1.222	.143	-1.061	.001
.800	-1.795	-.009	-1.631	-.137	-1.448	-.287
.900	-2.508	-.345	-2.291	-.486	-2.051	-.654
.933	-2.918	-.486	-2.661	-.636	-2.381	-.815

INTERVALLES DE CONFIANCE POUR LA LOI GAMMA N= 20

ASYMETRIE = .10

	INTERVALLE 95		INTERVALLE 90		INTERVALLE 80	
PROBABILITE	.025	.975	.050	.950	.100	.900
.034	.957	3.156	1.036	2.914	1.241	2.651
.050	.849	2.792	.970	2.588	1.114	2.365
.100	.592	2.147	.698	1.998	.824	1.832
.200	.233	1.511	.327	1.398	.437	1.269
.300	-.050	1.115	.039	1.015	.142	.902
.400	-.306	.805	-.220	.711	-.120	.605
.500	-.556	.532	-.469	.443	-.370	.341
.600	-.815	.276	-.728	.188	-.626	.087
.700	-1.107	.017	-1.014	-.072	-.908	-.174
.800	-1.470	-.285	-1.367	-.357	-1.250	-.464
.900	-2.035	-.614	-1.904	-.716	-1.758	-.835
.950	-2.545	-.859	-2.413	-.972	-2.223	-1.106
.966	-2.887	-.961	-2.586	-1.081	-2.467	-1.224

ASYMETRIE = -.10

	INTERVALLE 95		INTERVALLE 90		INTERVALLE 80	
PROBABILITE	.025	.975	.050	.950	.100	.900
.034	.961	2.887	1.081	2.586	1.224	2.467
.050	.859	2.595	.972	2.413	1.106	2.223
.100	.614	2.035	.716	1.904	.835	1.758
.200	.285	1.470	.357	1.367	.464	1.250
.300	-.017	1.107	.072	1.014	.174	.908
.400	-.276	.815	-.188	.728	-.087	.626
.500	-.532	.556	-.443	.469	-.341	.370
.600	-.805	.306	-.711	.220	-.605	.120
.700	-1.115	.050	-1.015	-.039	-.902	-.142
.800	-1.511	-.233	-1.398	-.327	-1.269	-.437
.900	-2.147	-.592	-1.998	-.698	-1.832	-.824
.950	-2.792	-.849	-2.588	-.970	-2.365	-1.114
.966	-3.156	-.957	-2.914	-1.086	-2.651	-1.241

INTERVALLES DE CONFIANCE POUR LA LOI GAMMA N= 40

ASYMETRIE = .10

	INTERVALLE 95		INTERVALLE 90		INTERVALLE 80	
PROBABILITE	.025	.975	.050	.950	.100	.900
.017	1.364	3.381	1.477	3.151	1.614	2.904
.020	1.331	3.249	1.441	3.034	1.574	2.802
.050	1.063	2.450	1.154	2.312	1.262	2.160
.100	.781	1.886	.859	1.785	.952	1.671
.200	.401	1.310	.469	1.231	.549	1.142
.300	.108	.937	.172	.867	.247	.787
.400	-.152	.639	-.090	.573	-.018	.493
.500	-.401	.373	-.340	.310	-.269	.238
.600	-.658	.119	-.595	.057	-.523	-.015
.700	-.941	-.141	-.875	-.204	-.800	-.277
.800	-1.286	-.429	-1.214	-.495	-1.132	-.572
.900	-1.806	-.794	-1.716	-.868	-1.614	-.955
.950	-2.296	-1.059	-2.178	-1.144	-2.046	-1.244
.980	-2.963	-1.307	-2.786	-1.407	-2.594	-1.528
.983	-3.076	-1.338	-2.882	-1.440	-2.678	-1.564

ASYMETRIE = -.10

	INTERVALLE 95		INTERVALLE 90		INTERVALLE 80	
PROBABILITE	.025	.975	.050	.950	.100	.900
.017	1.338	3.070	1.440	2.882	1.564	2.678
.020	1.307	2.963	1.407	2.786	1.528	2.594
.050	1.059	2.296	1.144	2.178	1.244	2.046
.100	.794	1.806	.868	1.716	.955	1.614
.200	.429	1.286	.495	1.214	.572	1.132
.300	.141	.941	.204	.875	.277	.800
.400	-.119	.658	-.057	.595	.015	.523
.500	-.373	.401	-.310	.340	-.238	.269
.600	-.639	.152	-.573	.090	-.498	.018
.700	-.937	-.108	-.867	-.172	-.787	-.247
.800	-1.316	-.401	-1.231	-.469	-1.142	-.549
.900	-1.886	-.781	-1.785	-.859	-1.671	-.952
.950	-2.450	-1.063	-2.312	-1.154	-2.160	-1.262
.980	-3.249	-1.331	-3.034	-1.441	-2.802	-1.574
.983	-3.381	-1.364	-3.151	-1.477	-2.904	-1.614

INTERVALLES DE CONFIANCE POUR LA LOI GAMMA N= 60

ASYMETRIE = .10

	INTERVALLE 95		INTERVALLE 90		INTERVALLE 80	
PROBABILITE	.025	.975	.050	.950	.100	.900
.012	1.579	3.508	1.685	3.285	1.813	3.045
.020	1.451	3.030	1.546	2.860	1.660	2.675
.050	1.164	2.297	1.241	2.168	1.332	2.068
.100	.869	1.772	.934	1.691	1.011	1.599
.200	.477	1.221	.534	1.157	.600	1.085
.300	.180	.859	.232	.802	.294	.737
.400	-.081	.566	-.031	.512	.028	.451
.500	-.332	.302	-.281	.251	-.223	.191
.600	-.588	.049	-.536	-.002	-.477	-.061
.700	-.867	-.212	-.813	-.264	-.752	-.324
.800	-1.205	-.503	-1.146	-.557	-1.080	-.621
.900	-1.704	-.876	-1.632	-.938	-1.550	-1.010
.950	-2.165	-1.152	-2.071	-1.223	-1.965	-1.307
.980	-2.783	-1.417	-2.642	-1.503	-2.486	-1.605
.988	-3.172	-1.533	-2.991	-1.627	-2.795	-1.742

ASYMETRIE = -.10

	INTERVALLE 95		INTERVALLE 90		INTERVALLE 80	
PROBABILITE	.025	.975	.050	.950	.100	.900
.012	1.533	3.172	1.627	2.991	1.742	2.795
.020	1.417	2.783	1.503	2.642	1.605	2.486
.050	1.152	2.165	1.223	2.071	1.307	1.965
.100	.876	1.704	.938	1.632	1.010	1.550
.200	.503	1.205	.557	1.146	.621	1.080
.300	.212	.867	.264	.813	.324	.752
.400	-.049	.548	.002	.536	.061	.477
.500	-.302	.332	-.251	.281	-.191	.223
.600	-.566	.081	-.512	.031	-.451	-.028
.700	-.859	-.190	-.802	-.232	-.737	-.294
.800	-1.221	-.477	-1.157	-.534	-1.085	-.600
.900	-1.772	-.869	-1.691	-.934	-1.599	-1.011
.950	-2.297	-1.164	-2.168	-1.241	-2.068	-1.332
.980	-3.030	-1.451	-2.860	-1.546	-2.675	-1.660
.988	-3.508	-1.579	-3.285	-1.685	-3.045	-1.813

INTERVALLES DE CONFIANCE POUR LA LOI GAMMA N= 80

ASYMETRIE = .10

PROBABILITE	INTERVALLE 95 .025	INTERVALLE 95 .975	INTERVALLE 90 .050	INTERVALLE 90 .950	INTERVALLE 80 .100	INTERVALLE 80 .900
.010	1.695	3.475	1.794	3.270	1.913	3.050
.020	1.527	2.896	1.612	2.753	1.714	2.596
.050	1.225	2.208	1.294	2.116	1.374	2.013
.100	.922	1.705	.979	1.636	1.046	1.558
.200	.524	1.169	.573	1.114	.631	1.051
.300	.223	.812	.270	.763	.322	.707
.400	-.040	.521	.004	.475	.055	.422
.500	-.291	.260	-.247	.215	-.196	.164
.600	-.545	.007	-.500	-.038	-.449	-.089
.700	-.823	-.255	-.777	-.300	-.723	-.352
.800	-1.157	-.548	-1.106	-.595	-1.048	-.650
.900	-1.644	-.927	-1.583	-.981	-1.512	-1.044
.950	-2.088	-1.210	-2.007	-1.272	-1.917	-1.346
.980	-2.672	-1.486	-2.552	-1.562	-2.420	-1.653
.990	-3.145	-1.637	-2.979	-1.725	-2.799	-1.830

ASYMETRIE = -.10

PROBABILITE	INTERVALLE 95 .025	INTERVALLE 95 .975	INTERVALLE 90 .050	INTERVALLE 90 .950	INTERVALLE 80 .100	INTERVALLE 80 .900
.010	1.637	3.145	1.725	2.979	1.830	2.799
.020	1.486	2.672	1.562	2.552	1.653	2.420
.050	1.210	2.088	1.272	2.007	1.346	1.917
.100	.927	1.644	.981	1.583	1.044	1.512
.200	.548	1.157	.595	1.106	.650	1.048
.300	.255	.823	.300	.777	.352	.723
.400	-.007	.545	.038	.500	.089	.449
.500	-.260	.291	-.215	.247	-.164	.196
.600	-.521	.040	-.475	-.004	-.422	-.055
.700	-.812	-.223	-.763	-.270	-.707	-.322
.800	-1.169	-.524	-1.114	-.573	-1.051	-.631
.900	-1.705	-.927	-1.636	-.979	-1.558	-1.046
.950	-2.208	-1.225	-2.116	-1.294	-2.013	-1.374
.980	-2.896	-1.527	-2.753	-1.612	-2.596	-1.714
.990	-3.475	-1.695	-3.270	-1.794	-3.050	-1.913

INTERVALLES DE CONFIANCE POUR LA LOI GAMMA N= 100

ASYMETRIE = .10

PROBABILITE	INTERVALLE 95 .025	INTERVALLE 95 .975	INTERVALLE 90 .050	INTERVALLE 90 .950	INTERVALLE 80 .100	INTERVALLE 80 .900
.010	1.756	3.355	1.848	3.175	1.958	2.981
.020	1.590	2.805	1.658	2.680	1.751	2.542
.050	1.269	2.148	1.331	2.067	1.404	1.975
.100	.958	1.659	1.010	1.598	1.071	1.529
.200	.565	1.132	.600	1.084	.651	1.029
.300	.252	.780	.294	.736	.342	.686
.400	-.011	.492	.028	.450	.074	.403
.500	-.262	.231	-.223	.191	-.177	.145
.600	-.517	-.021	-.476	-.062	-.431	-.108
.700	-.793	-.284	-.752	-.324	-.704	-.371
.800	-1.124	-.579	-1.079	-.621	-1.027	-.670
.900	-1.604	-.961	-1.549	-1.010	-1.486	-1.067
.950	-2.035	-1.250	-1.964	-1.306	-1.884	-1.373
.980	-2.597	-1.534	-2.491	-1.603	-2.374	-1.686
.990	-3.049	-1.692	-2.902	-1.773	-2.742	-1.869

ASYMETRIE = -.10

PROBABILITE	INTERVALLE 95 .025	INTERVALLE 95 .975	INTERVALLE 90 .050	INTERVALLE 90 .950	INTERVALLE 80 .100	INTERVALLE 80 .900
.010	1.692	3.049	1.773	2.902	1.869	2.742
.020	1.534	2.597	1.603	2.491	1.686	2.374
.050	1.250	2.035	1.306	1.964	1.373	1.884
.100	.961	1.604	1.010	1.549	1.067	1.486
.200	.574	1.124	.621	1.079	.670	1.027
.300	.294	.793	.324	.752	.371	.704
.400	.021	.517	.062	.476	.108	.431
.500	-.231	.262	-.191	.223	-.145	.177
.600	-.492	.011	-.450	-.028	-.403	-.074
.700	-.780	-.252	-.736	-.294	-.686	-.342
.800	-1.132	-.555	-1.084	-.600	-1.029	-.651
.900	-1.653	-.958	-1.598	-1.010	-1.529	-1.071
.950	-2.148	-1.250	-2.067	-1.331	-1.975	-1.404
.980	-2.805	-1.580	-2.680	-1.658	-2.542	-1.751
.990	-3.355	-1.756	-3.175	-1.848	-2.981	-1.958

INTERVALLES DE CONFIANCE POUR LA LOI GAMMA N= 10

ASYMETRIE = .20

	INTERVALLE 95		INTERVALLE 90		INTERVALLE 80	
PROBABILITE	.025	.975	.050	.950	.100	.900
.067	.474	3.033	.626	2.754	.809	2.452
.100	.330	2.589	.473	2.355	.644	2.100
.200	-.007	1.829	.121	1.656	.271	1.463
.300	-.279	1.377	-.159	1.228	-.017	1.061
.400	-.528	1.035	-.411	.900	-.274	.746
.500	-.773	.745	-.656	.617	-.520	.470
.600	-1.031	.478	-.911	.354	-.774	.211
.700	-1.322	.217	-1.197	.093	-1.053	-.049
.800	-1.689	-.060	-1.551	-.186	-1.394	-.332
.900	-2.263	-.389	-2.092	-.523	-1.900	-.681
.933	-2.576	-.524	-2.382	-.665	-2.164	-.831

ASYMETRIE = -.20

	INTERVALLE 95		INTERVALLE 90		INTERVALLE 80	
PROBABILITE	.025	.975	.050	.950	.100	.900
.067	.524	2.576	.665	2.382	.831	2.164
.100	.389	2.263	.523	2.092	.681	1.900
.200	.060	1.689	.186	1.551	.332	1.394
.300	-.217	1.322	-.093	1.197	.049	1.053
.400	-.478	1.031	-.354	.911	-.211	.774
.500	-.745	.773	-.617	.656	-.470	.520
.600	-1.035	.528	-.900	.411	-.746	.274
.700	-1.377	.279	-1.228	.159	-1.061	.017
.800	-1.829	.007	-1.656	-.121	-1.463	-.271
.900	-2.549	-.330	-2.355	-.473	-2.100	-.644
.933	-3.033	-.474	-2.754	-.626	-2.452	-.809

INTERVALLES DE CONFIANCE POUR LA LOI GAMMA N= 20

ASYMETRIE = .20

	INTERVALLE 95		INTERVALLE 90		INTERVALLE 80	
PROBABILITE	.025	.975	.050	.950	.100	.900
.034	.955	3.292	1.048	3.028	1.248	2.743
.050	.844	2.895	.968	2.674	1.117	2.435
.100	.582	2.202	.690	2.043	.818	1.867
.200	.218	1.530	.313	1.411	.424	1.278
.300	-.066	1.117	.022	1.014	.125	.897
.400	-.320	.797	-.235	.702	-.135	.594
.500	-.566	.519	-.482	.429	-.384	.325
.600	-.820	.259	-.734	.171	-.635	.070
.700	-1.101	-.000	-1.012	-.089	-.909	-.190
.800	-1.444	-.281	-1.350	-.371	-1.239	-.477
.900	-1.977	-.624	-1.856	-.723	-1.719	-.839
.950	-2.481	-.862	-2.325	-.972	-2.151	-1.101
.966	-2.752	-.961	-2.573	-1.077	-2.374	-1.214

ASYMETRIE = -.20

	INTERVALLE 95		INTERVALLE 90		INTERVALLE 80	
PROBABILITE	.025	.975	.050	.950	.100	.900
.034	.961	2.752	1.077	2.573	1.214	2.374
.050	.862	2.481	.972	2.325	1.101	2.151
.100	.624	1.977	.723	1.856	.839	1.719
.200	.281	1.448	.371	1.350	.477	1.239
.300	.000	1.101	.089	1.012	.190	.909
.400	-.259	.820	-.171	.734	-.070	.635
.500	-.519	.566	-.429	.482	-.325	.384
.600	-.797	.320	-.702	.235	-.594	.135
.700	-1.117	.066	-1.014	-.022	-.897	-.125
.800	-1.530	-.218	-1.411	-.313	-1.278	-.424
.900	-2.202	-.582	-2.043	-.690	-1.867	-.818
.950	-2.895	-.844	-2.674	-.968	-2.435	-1.117
.966	-3.292	-.955	-3.028	-1.068	-2.743	-1.248

INTERVALLES DE CONFIANCE POUR LA LOI GAMMA N= 40

ASYMETRIE = .20

	INTERVALLE 95		INTERVALLE 90		INTERVALLE 80	
PROBABILITE	.025	.975	.050	.950	.100	.900
.017	1.377	3.539	1.495	3.287	1.638	3.017
.020	1.343	3.394	1.457	3.159	1.596	2.907
.050	1.064	2.526	1.159	2.378	1.271	2.216
.100	.774	1.924	.855	1.817	.949	1.697
.200	.387	1.319	.456	1.237	.537	1.145
.300	.092	.933	.156	.862	.231	.780
.400	-.167	.627	-.105	.561	-.034	.485
.500	-.414	.358	-.354	.294	-.283	.221
.600	-.666	.102	-.605	.039	-.534	-.033
.700	-.941	-.158	-.878	-.221	-.805	-.293
.800	-1.273	-.442	-1.204	-.507	-1.125	-.583
.900	-1.764	-.900	-1.680	-.972	-1.584	-.956
.950	-2.217	-1.056	-2.109	-1.137	-1.988	-1.233
.980	-2.820	-1.294	-2.662	-1.389	-2.489	-1.503
.983	-2.915	-1.323	-2.748	-1.420	-2.565	-1.537

ASYMETRIE = -.20

	INTERVALLE 95		INTERVALLE 90		INTERVALLE 80	
PROBABILITE	.025	.975	.050	.950	.100	.900
.017	1.323	2.915	1.420	2.748	1.537	2.565
.020	1.294	2.820	1.389	2.662	1.503	2.489
.050	1.056	2.217	1.137	2.109	1.233	1.988
.100	.800	1.764	.972	1.680	.956	1.584
.200	.442	1.273	.507	1.204	.583	1.125
.300	.158	.941	.221	.878	.293	.805
.400	-.102	.666	-.039	.605	.033	.534
.500	-.358	.414	-.294	.354	-.221	.283
.600	-.627	.167	-.561	.105	-.485	.034
.700	-.933	-.092	-.862	-.156	-.780	-.231
.800	-1.319	-.387	-1.237	-.456	-1.145	-.537
.900	-1.924	-.774	-1.817	-.855	-1.697	-.949
.950	-2.526	-1.064	-2.378	-1.159	-2.216	-1.271
.980	-3.394	-1.343	-3.159	-1.457	-2.907	-1.596
.983	-3.539	-1.377	-3.287	-1.495	-3.017	-1.638

INTERVALLES DE CONFIANCE POUR LA LOI GAMMA N= 60

ASYMETRIE = .20

	INTERVALLE 95		INTERVALLE 90		INTERVALLE 80	
PROBABILITE	.025	.975	.050	.950	.100	.900
.012	1.603	3.680	1.713	3.433	1.848	3.171
.020	1.469	3.154	1.568	2.969	1.697	2.768
.050	1.169	2.362	1.248	2.246	1.343	2.117
.100	.864	1.803	.931	1.718	1.010	1.622
.200	.465	1.227	.522	1.161	.589	1.086
.300	.164	.852	.217	.794	.279	.724
.400	-.098	.553	-.047	.498	.012	.437
.500	-.346	.286	-.296	.234	-.238	.175
.600	-.597	.031	-.547	-.020	-.489	-.078
.700	-.869	-.228	-.818	-.280	-.758	-.339
.800	-1.195	-.515	-1.139	-.569	-1.075	-.631
.900	-1.669	-.980	-1.601	-.939	-1.524	-1.009
.950	-2.097	-1.146	-2.010	-1.214	-1.913	-1.294
.980	-2.659	-1.349	-2.532	-1.479	-2.392	-1.575
.988	-3.005	-1.508	-2.845	-1.597	-2.670	-1.705

ASYMETRIE = -.20

	INTERVALLE 95		INTERVALLE 90		INTERVALLE 80	
PROBABILITE	.025	.975	.050	.950	.100	.900
.012	1.508	3.005	1.597	2.845	1.705	2.670
.020	1.399	2.659	1.479	2.532	1.576	2.392
.050	1.146	2.097	1.214	2.010	1.294	1.913
.100	.880	1.669	.939	1.601	1.009	1.524
.200	.515	1.195	.569	1.139	.631	1.075
.300	.228	.869	.280	.818	.339	.758
.400	-.031	.597	.020	.547	.078	.484
.500	-.296	.346	-.234	.296	-.175	.238
.600	-.553	.098	-.498	.047	-.437	-.012
.700	-.852	-.164	-.794	-.217	-.728	-.279
.800	-1.227	-.465	-1.161	-.522	-1.086	-.589
.900	-1.803	-.884	-1.718	-.931	-1.622	-1.010
.950	-2.362	-1.169	-2.246	-1.248	-2.117	-1.343
.980	-3.154	-1.469	-2.969	-1.568	-2.768	-1.687
.988	-3.680	-1.603	-3.433	-1.713	-3.171	-1.848

INTERVALLES DE CONFIANCE POUR LA LOI GAMMA N= 80

ASYMETRIE = .20

	INTERVALLE 95		INTERVALLE 90		INTERVALLE 80	
PROBABILITE	.025	.975	.050	.950	.100	.900
.010	1.724	3.643	1.828	3.417	1.954	3.176
.020	1.548	3.009	1.637	2.858	1.743	2.683
.050	1.233	2.266	1.304	2.168	1.387	2.059
.100	.919	1.733	.978	1.660	1.047	1.578
.200	.612	1.172	.662	1.116	.620	1.052
.300	.209	.804	.254	.755	.308	.697
.400	-.056	.508	-.012	.461	.039	.408
.500	-.305	.243	-.261	.198	-.211	.147
.600	-.555	-.011	-.512	-.055	-.462	-.106
.700	-.826	-.271	-.782	-.315	-.730	-.367
.800	-1.149	-.559	-1.100	-.606	-1.045	-.659
.900	-1.612	-.928	-1.554	-.980	-1.488	-1.041
.950	-2.026	-1.201	-1.951	-1.261	-1.868	-1.331
.980	-2.560	-1.463	-2.451	-1.535	-2.331	-1.621
.990	-2.981	-1.606	-2.834	-1.688	-2.674	-1.787

ASYMETRIE = -.20

	INTERVALLE 95		INTERVALLE 90		INTERVALLE 80	
PROBABILITE	.025	.975	.050	.950	.100	.900
.010	1.606	2.981	1.688	2.834	1.787	2.674
.020	1.463	2.560	1.535	2.451	1.621	2.331
.050	1.201	2.026	1.261	1.951	1.331	1.868
.100	.924	1.612	.980	1.554	1.041	1.488
.200	.559	1.149	.606	1.100	.659	1.045
.300	.271	.826	.315	.782	.367	.730
.400	.011	.555	.055	.512	.106	.462
.500	-.243	.305	-.198	.261	-.147	.211
.600	-.508	.056	-.461	.012	-.408	-.039
.700	-.804	-.209	-.755	-.254	-.697	-.308
.800	-1.172	-.512	-1.116	-.562	-1.052	-.620
.900	-1.733	-.919	-1.660	-.978	-1.578	-1.047
.950	-2.266	-1.233	-2.168	-1.304	-2.059	-1.387
.980	-3.009	-1.548	-2.858	-1.637	-2.683	-1.743
.990	-3.643	-1.724	-3.417	-1.828	-3.176	-1.954

INTERVALLES DE CONFIANCE POUR LA LOI GAMMA N= 100

ASYMETRIE = .20

	INTERVALLE 95		INTERVALLE 90		INTERVALLE 80	
PROBABILITE	.025	.975	.050	.950	.100	.900
.010	1.789	3.511	1.885	3.313	2.001	3.101
.020	1.604	2.910	1.685	2.774	1.782	2.625
.050	1.278	2.202	1.342	2.115	1.418	2.019
.100	.957	1.685	1.010	1.621	1.073	1.548
.200	.644	1.135	.689	1.085	.642	1.028
.300	.234	.772	.279	.727	.327	.676
.400	-.027	.478	.013	.436	.058	.388
.500	-.277	.214	-.238	.174	-.193	.128
.600	-.527	-.039	-.488	-.079	-.443	-.124
.700	-.797	-.300	-.757	-.340	-.711	-.385
.800	-1.117	-.589	-1.074	-.631	-1.024	-.679
.900	-1.574	-.962	-1.522	-1.009	-1.463	-1.063
.950	-1.977	-1.239	-1.912	-1.293	-1.837	-1.356
.980	-2.491	-1.509	-2.395	-1.574	-2.289	-1.652
.990	-2.896	-1.658	-2.766	-1.733	-2.623	-1.824

ASYMETRIE = -.20

	INTERVALLE 95		INTERVALLE 90		INTERVALLE 80	
PROBABILITE	.025	.975	.050	.950	.100	.900
.010	1.658	2.896	1.733	2.766	1.824	2.623
.020	1.509	2.491	1.574	2.395	1.652	2.289
.050	1.239	1.977	1.293	1.912	1.356	1.837
.100	.962	1.574	1.009	1.522	1.063	1.463
.200	.589	1.117	.631	1.074	.679	1.024
.300	.300	.797	.340	.757	.385	.711
.400	.039	.527	.079	.488	.124	.443
.500	-.214	.277	-.174	.238	-.128	.193
.600	-.478	.027	-.436	-.013	-.388	-.058
.700	-.772	-.238	-.727	-.279	-.676	-.327
.800	-1.135	-.544	-1.085	-.589	-1.028	-.642
.900	-1.685	-.957	-1.621	-1.010	-1.548	-1.073
.950	-2.202	-1.278	-2.115	-1.342	-2.019	-1.418
.980	-2.910	-1.604	-2.774	-1.685	-2.625	-1.782
.990	-3.511	-1.789	-3.313	-1.885	-3.101	-2.001

INTERVALLES DE CONFIANCE POUR LA LOI GAMMA N= 10

ASYMETRIE = .30

	INTERVALLE 95		INTERVALLE 90		INTERVALLE 80	
PROBABILITE	.025	.975	.050	.950	.100	.900
.067	.460	3.147	.615	2.846	.802	2.522
.100	.315	2.669	.460	2.419	.633	2.148
.200	-.023	1.861	.104	1.680	.256	1.478
.300	-.294	1.388	-.175	1.234	-.034	1.061
.400	-.539	1.034	-.424	.895	-.289	.737
.500	-.778	.736	-.664	.605	-.532	.456
.600	-1.027	.465	-.912	.339	-.779	.195
.700	-1.305	.201	-1.186	.076	-1.049	-.066
.800	-1.651	-.076	-1.522	-.202	-1.374	-.346
.900	-2.181	-.402	-2.025	-.535	-1.848	-.689
.933	-2.463	-.535	-2.288	-.673	-2.090	-.834

ASYMETRIE = -.30

	INTERVALLE 95		INTERVALLE 90		INTERVALLE 80	
PROBABILITE	.025	.975	.050	.950	.100	.900
.067	.535	2.463	.673	2.288	.834	2.090
.100	.402	2.181	.535	2.025	.689	1.848
.200	.076	1.651	.202	1.522	.346	1.374
.300	-.201	1.305	-.076	1.186	.066	1.049
.400	-.465	1.027	-.339	.912	-.195	.779
.500	-.736	.778	-.605	.664	-.456	.532
.600	-1.034	.539	-.895	.424	-.737	.289
.700	-1.388	.294	-1.234	.175	-1.061	.034
.800	-1.861	.023	-1.680	-.104	-1.478	-.256
.900	-2.669	-.315	-2.419	-.460	-2.148	-.633
.933	-3.147	-.460	-2.846	-.615	-2.522	-.802

INTERVALLES DE CONFIANCE POUR LA LOI GAMMA N= 20

ASYMETRIE = .30

	INTERVALLE 95		INTERVALLE 90		INTERVALLE 80	
PROBABILITE	.025	.975	.050	.950	.100	.900
.034	.953	3.429	1.089	3.142	1.255	2.835
.050	.838	2.999	.955	2.761	1.118	2.504
.100	.570	2.255	.680	2.087	.811	1.902
.200	.202	1.547	.297	1.424	.409	1.285
.300	-.093	1.119	.006	1.012	.109	.892
.400	-.335	.739	-.250	.692	-.152	.582
.500	-.577	.506	-.494	.415	-.397	.310
.600	-.824	.243	-.741	.155	-.644	.053
.700	-1.095	-.017	-1.009	-.105	-.910	-.206
.800	-1.425	-.346	-1.333	-.385	-1.226	-.489
.900	-1.919	-.633	-1.807	-.730	-1.680	-.842
.950	-2.378	-.865	-2.237	-.971	-2.079	-1.095
.966	-2.629	-.961	-2.460	-1.072	-2.281	-1.203

ASYMETRIE = -.30

	INTERVALLE 95		INTERVALLE 90		INTERVALLE 80	
PROBABILITE	.025	.975	.050	.950	.100	.900
.034	.961	2.629	1.072	2.460	1.203	2.281
.050	.865	2.378	.971	2.237	1.095	2.079
.100	.633	1.919	.730	1.807	.842	1.680
.200	.296	1.425	.385	1.333	.489	1.226
.300	.017	1.095	.105	1.009	.206	.910
.400	-.243	.824	-.155	.741	-.053	.644
.500	-.506	.577	-.415	.494	-.310	.397
.600	-.789	.335	-.692	.250	-.582	.152
.700	-1.119	.063	-1.012	-.006	-.892	-.109
.800	-1.547	-.202	-1.424	-.297	-1.285	-.409
.900	-2.255	-.570	-2.087	-.680	-1.902	-.811
.950	-2.999	-.838	-2.761	-.955	-2.504	-1.118
.966	-3.429	-.953	-3.142	-1.089	-2.835	-1.255

INTERVALLES DE CONFIANCE POUR LA LOI GAMMA N= 40

ASYMETRIE = .30

	INTERVALLE 95		INTERVALLE 90		INTERVALLE 80	
PROBABILITE	.025	.975	.050	.950	.100	.900
.017	1.389	3.699	1.512	3.423	1.661	3.131
.020	1.353	3.540	1.472	3.284	1.617	3.011
.050	1.065	2.601	1.162	2.443	1.278	2.271
.100	.766	1.961	.849	1.849	.946	1.723
.200	.373	1.328	.443	1.243	.525	1.147
.300	.076	.929	.140	.856	.215	.772
.400	-.193	.616	-.122	.549	-.050	.471
.500	-.427	.342	-.368	.278	-.298	.205
.600	-.674	.085	-.614	.022	-.545	-.049
.700	-.941	-.174	-.880	-.236	-.809	-.308
.800	-1.259	-.455	-1.193	-.519	-1.118	-.593
.900	-1.721	-.804	-1.643	-.874	-1.553	-.955
.950	-2.139	-1.052	-2.040	-1.130	-1.929	-1.221
.980	-2.640	-1.279	-2.540	-1.359	-2.385	-1.477
.983	-2.763	-1.307	-2.617	-1.399	-2.454	-1.509

ASYMETRIE = -.30

	INTERVALLE 95		INTERVALLE 90		INTERVALLE 80	
PROBABILITE	.025	.975	.050	.950	.100	.900
.017	1.307	2.763	1.399	2.617	1.509	2.454
.020	1.279	2.680	1.369	2.540	1.477	2.385
.050	1.052	2.139	1.130	2.040	1.221	1.929
.100	.804	1.721	.874	1.643	.955	1.553
.200	.455	1.259	.519	1.193	.593	1.118
.300	.174	.941	.236	.880	.308	.809
.400	-.085	.674	-.022	.614	.049	.545
.500	-.342	.427	-.278	.368	-.205	.298
.600	-.616	.183	-.549	.122	-.471	.050
.700	-.929	-.076	-.856	-.140	-.772	-.215
.800	-1.322	-.373	-1.243	-.443	-1.147	-.525
.900	-1.961	-.766	-1.849	-.849	-1.723	-.946
.950	-2.601	-1.065	-2.443	-1.162	-2.271	-1.274
.980	-3.540	-1.353	-3.284	-1.472	-3.011	-1.617
.983	-3.699	-1.389	-3.423	-1.512	-3.131	-1.661

INTERVALLES DE CONFIANCE POUR LA LOI GAMMA N= 60

ASYMETRIE = .30

	INTERVALLE 95		INTERVALLE 90		INTERVALLE 80	
PROBABILITE	.025	.975	.050	.950	.100	.900
.012	1.624	3.852	1.740	3.583	1.882	3.297
.020	1.484	3.279	1.587	3.078	1.712	2.862
.050	1.173	2.426	1.255	2.302	1.353	2.166
.100	.854	1.834	.928	1.745	1.009	1.644
.200	.461	1.232	.509	1.164	.577	1.087
.300	.148	.846	.201	.787	.263	.719
.400	-.114	.540	-.063	.485	-.005	.422
.500	-.360	.270	-.311	.218	-.254	.158
.600	-.606	.014	-.557	-.037	-.501	-.095
.700	-.872	-.244	-.821	-.295	-.763	-.353
.800	-1.185	-.527	-1.131	-.579	-1.070	-.640
.900	-1.633	-.882	-1.564	-.940	-1.486	-1.006
.950	-2.029	-1.138	-1.950	-1.203	-1.860	-1.279
.980	-2.534	-1.379	-2.424	-1.455	-2.298	-1.546
.983	-2.643	-1.482	-2.703	-1.566	-2.548	-1.666

ASYMETRIE = -.30

	INTERVALLE 95		INTERVALLE 90		INTERVALLE 80	
PROBABILITE	.025	.975	.050	.950	.100	.900
.012	1.482	2.843	1.566	2.703	1.666	2.548
.020	1.379	2.538	1.455	2.424	1.546	2.298
.050	1.139	2.029	1.203	1.950	1.279	1.860
.100	.882	1.633	.940	1.569	1.006	1.496
.200	.527	1.185	.579	1.131	.640	1.070
.300	.244	.872	.295	.821	.353	.763
.400	-.014	.606	.037	.557	.095	.501
.500	-.270	.360	-.218	.311	-.158	.254
.600	-.540	.114	-.485	.063	-.422	.005
.700	-.846	-.148	-.787	-.201	-.719	-.263
.800	-1.232	-.461	-1.164	-.509	-1.087	-.577
.900	-1.834	-.858	-1.745	-.928	-1.644	-1.009
.950	-2.426	-1.173	-2.302	-1.255	-2.166	-1.353
.980	-3.279	-1.484	-3.078	-1.587	-2.862	-1.712
.983	-3.852	-1.624	-3.583	-1.740	-3.297	-1.882

INTERVALLES DE CONFIANCE POUR LA LOI GAMMA N= 80

ASYMETRIE = .30

	INTERVALLE 95		INTERVALLE 90		INTERVALLE 80	
PROBABILITE	.025	.975	.050	.950	.100	.900
.010	1.752	3.811	1.861	3.565	1.994	3.303
.020	1.567	3.121	1.660	2.953	1.771	2.771
.050	1.239	2.324	1.312	2.220	1.399	2.104
.100	.915	1.760	.975	1.684	1.047	1.598
.200	.499	1.175	.550	1.117	.609	1.051
.300	.192	.797	.238	.746	.292	.687
.400	-.072	.494	-.028	.447	.023	.393
.500	-.314	.227	-.276	.182	-.227	.130
.600	-.565	-.028	-.523	-.072	-.474	-.122
.700	-.830	-.286	-.786	-.330	-.736	-.381
.800	-1.140	-.570	-1.094	-.615	-1.041	-.668
.900	-1.580	-.929	-1.525	-.979	-1.462	-1.037
.950	-1.944	-1.191	-1.895	-1.248	-1.818	-1.314
.980	-2.449	-1.440	-2.351	-1.508	-2.243	-1.588
.990	-2.821	-1.575	-2.693	-1.651	-2.551	-1.743

ASYMETRIE = -.30

	INTERVALLE 95		INTERVALLE 90		INTERVALLE 80	
PROBABILITE	.025	.975	.050	.950	.100	.900
.010	1.575	2.821	1.651	2.693	1.743	2.551
.020	1.440	2.449	1.508	2.351	1.588	2.243
.050	1.191	1.944	1.248	1.895	1.314	1.818
.100	.929	1.580	.979	1.525	1.037	1.462
.200	.570	1.140	.615	1.094	.668	1.041
.300	.286	.830	.330	.786	.381	.736
.400	.028	.566	.072	.523	.122	.474
.500	-.227	.319	-.182	.276	-.130	.227
.600	-.494	.072	-.447	.028	-.393	-.023
.700	-.797	-.192	-.746	-.238	-.687	-.292
.800	-1.175	-.499	-1.117	-.550	-1.051	-.609
.900	-1.760	-.915	-1.684	-.975	-1.598	-1.047
.950	-2.324	-1.239	-2.220	-1.312	-2.104	-1.399
.980	-3.121	-1.567	-2.953	-1.660	-2.771	-1.771
.990	-3.811	-1.752	-3.565	-1.861	-3.303	-1.994

INTERVALLES DE CONFIANCE POUR LA LOI GAMMA N= 100

ASYMETRIE = .30

	INTERVALLE 95		INTERVALLE 90		INTERVALLE 80	
PROBABILITE	.025	.975	.050	.950	.100	.900
.010	1.820	3.667	1.921	3.451	2.044	3.221
.020	1.625	3.014	1.710	2.868	1.813	2.708
.050	1.285	2.256	1.353	2.154	1.431	2.062
.100	.954	1.710	1.009	1.642	1.073	1.566
.200	.539	1.137	.578	1.085	.631	1.026
.300	.222	.763	.264	.718	.312	.666
.400	-.043	.464	-.004	.421	.042	.373
.500	-.291	.197	-.253	.157	-.208	.111
.600	-.534	-.056	-.500	-.096	-.456	-.141
.700	-.801	-.315	-.762	-.354	-.718	-.399
.800	-1.118	-.599	-1.058	-.640	-1.021	-.687
.900	-1.574	-.951	-1.495	-1.006	-1.439	-1.059
.950	-1.913	-1.227	-1.859	-1.278	-1.790	-1.338
.980	-2.387	-1.483	-2.301	-1.544	-2.205	-1.617
.990	-2.747	-1.623	-2.632	-1.693	-2.505	-1.778

ASYMETRIE = -.30

	INTERVALLE 95		INTERVALLE 90		INTERVALLE 80	
PROBABILITE	.025	.975	.050	.950	.100	.900
.010	1.623	2.747	1.693	2.632	1.778	2.505
.020	1.483	2.387	1.544	2.301	1.617	2.205
.050	1.227	1.919	1.278	1.859	1.338	1.790
.100	.941	1.544	1.004	1.495	1.059	1.439
.200	.599	1.110	.640	1.068	.687	1.021
.300	.315	.801	.354	.762	.399	.718
.400	.056	.538	.096	.500	.141	.456
.500	-.197	.291	-.157	.253	-.111	.208
.600	-.464	.043	-.421	.004	-.373	-.042
.700	-.763	-.222	-.718	-.264	-.666	-.312
.800	-1.137	-.532	-1.035	-.578	-1.026	-.631
.900	-1.710	-.954	-1.642	-1.009	-1.566	-1.073
.950	-2.256	-1.286	-2.164	-1.353	-2.062	-1.431
.980	-3.014	-1.625	-2.868	-1.710	-2.708	-1.813
.990	-3.667	-1.820	-3.451	-1.921	-3.221	-2.044

INTERVALLES DE CONFIANCE POUR LA LOI GAMMA N= 10

ASYMETRIE = .40

	INTERVALLE 95		INTERVALLE 90		INTERVALLE 80	
PROBABILITE	.025	.975	.050	.950	.100	.900
.067	.446	3.261	.603	2.938	.794	2.592
.100	.300	2.748	.446	2.482	.622	2.195
.200	-.040	1.893	.038	1.702	.239	1.492
.300	-.309	1.398	-.190	1.238	-.051	1.060
.400	-.559	1.032	-.437	.869	-.304	.728
.500	-.783	.727	-.672	.593	-.543	.442
.600	-1.023	.451	-.912	.323	-.784	.178
.700	-1.298	.184	-1.175	.060	-1.044	-.082
.800	-1.613	-.093	-1.492	-.217	-1.353	-.360
.900	-2.069	-.416	-1.957	-.546	-1.795	-.696
.933	-2.352	-.546	-2.196	-.641	-2.017	-.837

ASYMETRIE = -.40

	INTERVALLE 95		INTERVALLE 90		INTERVALLE 80	
PROBABILITE	.025	.975	.050	.950	.100	.900
.067	.546	2.352	.641	2.196	.837	2.017
.100	.416	2.099	.546	1.957	.696	1.795
.200	.093	1.613	.217	1.492	.360	1.353
.300	-.184	1.298	-.060	1.175	.082	1.044
.400	-.451	1.023	-.323	.912	-.178	.784
.500	-.727	.783	-.593	.672	-.442	.543
.600	-1.032	.559	-.869	.437	-.728	.304
.700	-1.398	.309	-1.238	.190	-1.060	.051
.800	-1.893	.040	-1.702	-.088	-1.492	-.239
.900	-2.748	-.300	-2.482	-.446	-2.195	-.622
.933	-3.261	-.446	-2.938	-.603	-2.592	-.794

INTERVALLES DE CONFIANCE POUR LA LOI GAMMA N= 20

ASYMETRIE = .40

	INTERVALLE 95		INTERVALLE 90		INTERVALLE 80	
PROBABILITE	.025	.975	.050	.950	.100	.900
.034	.949	3.565	1.089	3.256	1.260	2.926
.050	.831	3.102	.962	2.847	1.119	2.573
.100	.557	2.309	.670	2.131	.803	1.935
.200	.186	1.564	.242	1.435	.395	1.291
.300	-.099	1.119	-.011	1.010	.092	.887
.400	-.349	.741	-.265	.682	-.168	.570
.500	-.586	.493	-.505	.400	-.410	.294
.600	-.827	.227	-.746	.138	-.652	.036
.700	-1.089	-.034	-1.006	-.122	-.911	-.222
.800	-1.401	-.310	-1.314	-.399	-1.213	-.501
.900	-1.861	-.642	-1.757	-.736	-1.640	-.845
.950	-2.276	-.867	-2.149	-.969	-2.006	-1.088
.966	-2.489	-.959	-2.349	-1.066	-2.189	-1.191

ASYMETRIE = -.40

	INTERVALLE 95		INTERVALLE 90		INTERVALLE 80	
PROBABILITE	.025	.975	.050	.950	.100	.900
.034	.959	2.489	1.066	2.349	1.191	2.189
.050	.867	2.276	.969	2.149	1.088	2.006
.100	.642	1.861	.736	1.757	.845	1.640
.200	.310	1.401	.399	1.314	.501	1.213
.300	.034	1.088	.122	1.006	.222	.911
.400	-.227	.827	-.138	.746	-.036	.652
.500	-.493	.586	-.400	.505	-.294	.410
.600	-.781	.349	-.682	.265	-.570	.168
.700	-1.119	.099	-1.010	.011	-.887	-.092
.800	-1.564	-.186	-1.435	-.282	-1.291	-.395
.900	-2.309	-.557	-2.131	-.670	-1.935	-.803
.950	-3.102	-.831	-2.847	-.962	-2.573	-1.119
.966	-3.565	-.949	-3.256	-1.089	-2.926	-1.260

INTERVALLES DE CONFIANCE POUR LA LOI GAMMA N= 40

ASYMETRIE = .40

	INTERVALLE 95		INTERVALLE 90		INTERVALLE 80	
PROBABILITE	.025	.975	.050	.950	.100	.900
.017	1.400	3.862	1.527	3.560	1.683	3.244
.020	1.343	3.647	1.486	3.409	1.637	3.115
.050	1.054	2.676	1.164	2.504	1.285	2.325
.100	.759	1.998	.842	1.879	.942	1.748
.200	.358	1.335	.428	1.248	.511	1.149
.300	.059	.924	.123	.849	.199	.764
.400	-.199	.604	-.138	.536	-.067	.457
.500	-.440	.327	-.381	.262	-.313	.188
.600	-.681	.068	-.623	.006	-.556	-.066
.700	-.941	-.190	-.881	-.252	-.813	-.322
.800	-1.244	-.468	-1.182	-.530	-1.110	-.602
.900	-1.679	-.808	-1.585	-.876	-1.522	-.954
.950	-2.041	-1.047	-1.971	-1.121	-1.870	-1.208
.980	-2.542	-1.263	-2.420	-1.349	-2.282	-1.450
.983	-2.615	-1.290	-2.487	-1.377	-2.343	-1.480

ASYMETRIE = -.40

	INTERVALLE 95		INTERVALLE 90		INTERVALLE 80	
PROBABILITE	.025	.975	.050	.950	.100	.900
.017	1.299	2.615	1.377	2.487	1.480	2.343
.020	1.263	2.542	1.349	2.420	1.450	2.282
.050	1.047	2.061	1.121	1.971	1.208	1.870
.100	.808	1.678	.876	1.605	.954	1.522
.200	.468	1.244	.530	1.182	.602	1.110
.300	.190	.940	.252	.881	.322	.813
.400	-.068	.681	-.006	.623	.066	.556
.500	-.327	.440	-.262	.381	-.188	.313
.600	-.604	.199	-.536	.138	-.457	.067
.700	-.924	-.059	-.849	-.123	-.764	-.199
.800	-1.335	-.358	-1.248	-.428	-1.149	-.511
.900	-1.999	-.758	-1.879	-.842	-1.748	-.942
.950	-2.674	-1.054	-2.508	-1.164	-2.325	-1.285
.980	-3.637	-1.363	-3.409	-1.486	-3.115	-1.637
.983	-3.862	-1.400	-3.560	-1.527	-3.244	-1.683

INTERVALLES DE CONFIANCE POUR LA LOI GAMMA N= 60

ASYMETRIE = .40

	INTERVALLE 95		INTERVALLE 90		INTERVALLE 80	
PROBABILITE	.025	.975	.050	.950	.100	.900
.012	1.645	4.030	1.766	3.733	1.915	3.423
.020	1.499	3.404	1.606	3.187	1.737	2.955
.050	1.175	2.499	1.260	2.358	1.362	2.214
.100	.852	1.864	.923	1.770	1.006	1.665
.200	.437	1.236	.496	1.166	.565	1.067
.300	.132	.839	.185	.778	.247	.709
.400	-.130	.527	-.080	.471	-.021	.408
.500	-.374	.254	-.325	.201	-.269	.141
.600	-.616	-.002	-.568	-.053	-.512	-.111
.700	-.873	-.259	-.825	-.310	-.768	-.367
.800	-1.174	-.539	-1.122	-.589	-1.064	-.648
.900	-1.596	-.883	-1.536	-.939	-1.468	-1.003
.950	-1.962	-1.129	-1.889	-1.191	-1.806	-1.263
.980	-2.417	-1.357	-2.317	-1.430	-2.204	-1.515
.988	-2.683	-1.455	-2.562	-1.533	-2.426	-1.627

ASYMETRIE = -.40

	INTERVALLE 95		INTERVALLE 90		INTERVALLE 80	
PROBABILITE	.025	.975	.050	.950	.100	.900
.012	1.455	2.683	1.533	2.562	1.627	2.426
.020	1.357	2.417	1.430	2.317	1.515	2.204
.050	1.129	1.962	1.191	1.889	1.263	1.806
.100	.883	1.596	.939	1.536	1.003	1.468
.200	.539	1.174	.589	1.122	.648	1.064
.300	.259	.873	.310	.825	.367	.768
.400	.002	.616	.053	.568	.111	.512
.500	-.254	.374	-.201	.325	-.141	.269
.600	-.527	.130	-.471	.080	-.408	.021
.700	-.839	-.132	-.778	-.185	-.709	-.247
.800	-1.236	-.437	-1.166	-.496	-1.087	-.565
.900	-1.864	-.852	-1.770	-.923	-1.665	-1.006
.950	-2.490	-1.175	-2.358	-1.260	-2.214	-1.362
.980	-3.404	-1.439	-3.187	-1.605	-2.955	-1.737
.988	-4.030	-1.645	-3.733	-1.766	-3.423	-1.915

INTERVALLES DE CONFIANCE POUR LA LOI GAMMA N= 80

ASYMETRIE = .40

	INTERVALLE 95		INTERVALLE 90		INTERVALLE 80	
PROBABILITE	.025	.975	.050	.950	.100	.900
.010	1.770	3.986	1.892	3.714	2.032	3.430
.020	1.585	3.234	1.682	3.053	1.798	2.857
.050	1.244	2.381	1.320	2.271	1.410	2.148
.100	.910	1.786	.972	1.707	1.046	1.617
.200	.485	1.178	.537	1.118	.597	1.050
.300	.175	.789	.222	.737	.276	.677
.400	-.049	.481	-.045	.433	.006	.378
.500	-.333	.210	-.291	.165	-.242	.113
.600	-.576	-.044	-.534	-.088	-.486	-.139
.700	-.833	-.301	-.791	-.344	-.742	-.394
.800	-1.131	-.580	-1.087	-.625	-1.036	-.676
.900	-1.546	-.923	-1.495	-.977	-1.437	-1.033
.950	-1.902	-1.179	-1.839	-1.234	-1.768	-1.297
.980	-2.339	-1.415	-2.252	-1.479	-2.155	-1.554
.990	-2.665	-1.542	-2.553	-1.613	-2.429	-1.699

ASYMETRIE = -.40

	INTERVALLE 95		INTERVALLE 90		INTERVALLE 80	
PROBABILITE	.025	.975	.050	.950	.100	.900
.010	1.542	2.665	1.613	2.553	1.699	2.429
.020	1.415	2.339	1.479	2.252	1.554	2.155
.050	1.173	1.902	1.234	1.839	1.297	1.768
.100	.923	1.546	.977	1.495	1.033	1.437
.200	.580	1.131	.625	1.087	.676	1.036
.300	.301	.833	.344	.791	.394	.742
.400	.044	.576	.088	.534	.139	.486
.500	-.210	.333	-.165	.291	-.113	.242
.600	-.481	.089	-.433	.045	-.378	-.006
.700	-.789	-.175	-.737	-.222	-.677	-.276
.800	-1.178	-.485	-1.118	-.537	-1.050	-.597
.900	-1.786	-.910	-1.707	-.972	-1.617	-1.046
.950	-2.381	-1.244	-2.271	-1.320	-2.148	-1.410
.980	-3.234	-1.585	-3.053	-1.682	-2.857	-1.798
.990	-3.986	-1.779	-3.714	-1.892	-3.430	-2.032

INTERVALLES DE CONFIANCE POUR LA LOI GAMMA N= 100

ASYMETRIE = .40

	INTERVALLE 95		INTERVALLE 90		INTERVALLE 80	
PROBABILITE	.025	.975	.050	.950	.100	.900
.010	1.850	3.926	1.956	3.591	2.085	3.342
.020	1.646	3.119	1.735	2.961	1.842	2.790
.050	1.293	2.309	1.362	2.212	1.443	2.104
.100	.950	1.734	1.006	1.663	1.073	1.584
.200	.519	1.138	.565	1.085	.620	1.024
.300	.206	.755	.248	.708	.297	.655
.400	-.040	.449	-.021	.407	.025	.358
.500	-.306	.181	-.268	.141	-.224	.094
.600	-.549	-.073	-.511	-.112	-.468	-.157
.700	-.805	-.329	-.768	-.368	-.724	-.413
.800	-1.102	-.609	-1.063	-.649	-1.017	-.694
.900	-1.513	-.960	-1.467	-1.003	-1.415	-1.053
.950	-1.861	-1.214	-1.805	-1.263	-1.742	-1.320
.980	-2.284	-1.456	-2.207	-1.513	-2.121	-1.582
.990	-2.600	-1.587	-2.500	-1.652	-2.389	-1.730

ASYMETRIE = -.40

	INTERVALLE 95		INTERVALLE 90		INTERVALLE 80	
PROBABILITE	.025	.975	.050	.950	.100	.900
.010	1.587	2.600	1.652	2.500	1.730	2.389
.020	1.456	2.284	1.513	2.207	1.582	2.121
.050	1.214	1.861	1.263	1.805	1.320	1.742
.100	.960	1.513	1.003	1.467	1.053	1.415
.200	.609	1.102	.649	1.063	.694	1.017
.300	.329	.805	.368	.768	.413	.724
.400	.073	.549	.112	.511	.157	.468
.500	-.181	.306	-.141	.268	-.094	.224
.600	-.449	.060	-.407	.021	-.358	-.025
.700	-.755	-.206	-.708	-.248	-.655	-.297
.800	-1.138	-.519	-1.085	-.565	-1.024	-.620
.900	-1.734	-.950	-1.663	-1.006	-1.584	-1.073
.950	-2.309	-1.293	-2.212	-1.362	-2.104	-1.443
.980	-3.119	-1.646	-2.961	-1.735	-2.790	-1.842
.990	-3.826	-1.850	-3.591	-1.956	-3.342	-2.085

INTERVALLES DE CONFIANCE POUR LA LOI GAMMA N= 10

ASYMETRIE = .50

PROBABILITE	INTERVALLE 95 .025	.975	INTERVALLE 90 .050	.950	INTERVALLE 80 .100	.900
.[illegible]	.[illegible]	3.377	.[illegible]	3.030	.785	2.661
.[illegible]	.[illegible]	[illegible]	.[illegible]	2.545	.510	2.241
.[illegible]	-.[illegible]47	1.[illegible]23	.071	1.724	.223	1.505
.[illegible]	-.[illegible]	1.[illegible]	-.[illegible]20[illegible]	1.242	-.067	1.054
.[illegible]	-.[illegible]	1.[illegible]60	-.[illegible]69	.[illegible]53	-.318	.719
.[illegible]	-.747	.717	-.579	.581	-.553	.423
.[illegible]	-1.[illegible]14	.436	-.912	.307	-.787	.182
.[illegible]	-1.[illegible]7[illegible]	.[illegible]58	-1.[illegible]53	.[illegible]43	-1.038	-.099
.[illegible]	-1.[illegible]57[illegible]	-.[illegible]09	-1.[illegible]52	-.[illegible]23[illegible]	-1.331	-.374
.[illegible]	-2.[illegible]17	-.[illegible]24	-1.[illegible]90	-.[illegible]55[illegible]	-1.742	-.703
.[illegible]	-2.241	-.[illegible]56	-2.[illegible]04	-.[illegible]86	-1.944	-.839

ASYMETRIE = -.50

PROBABILITE	INTERVALLE 95 .025	.975	INTERVALLE 90 .050	.950	INTERVALLE 80 .100	.900
.[illegible]	.[illegible]56	2.241	.[illegible]44	2.104	.839	1.944
.[illegible]	.[illegible]3[illegible]	2.017	.[illegible]50[illegible]	1.[illegible]90	.703	1.742
.[illegible]	.[illegible]03	1.[illegible]74	.[illegible]23[illegible]	1.[illegible]62	.374	1.331
.[illegible]	-.[illegible]60	1.[illegible]70	-.[illegible]43	1.[illegible]63	.099	1.038
.[illegible]	-.[illegible]3[illegible]	1.[illegible]18	-.[illegible]37	.912	-.162	.787
.[illegible]	-.717	.747	-.[illegible]61	.[illegible]79	-.428	.553
.[illegible]	-1.[illegible]3[illegible]	.[illegible]56	-.[illegible]43	.[illegible]49	-.718	.318
.[illegible]	-1.[illegible]3[illegible]	.323	-1.242	.206	-1.058	.067
.[illegible]	-1.[illegible]43	.[illegible]67	-1.724	-.071	-1.505	-.223
.[illegible]	-2.[illegible]43	-.[illegible]26	-2.[illegible]45	-.432	-2.241	-.610
.[illegible]	-3.377	-.[illegible]42	-3.[illegible]30	-.[illegible]91	-2.661	-.785

INTERVALLES DE CONFIANCE POUR LA LOI GAMMA N= 20

ASYMETRIE = .50

PROBABILITE	INTERVALLE 95 .025	.975	INTERVALLE 90 .050	.950	INTERVALLE 80 .100	.900
.[illegible]3[illegible]	.[illegible]63	3.[illegible]06	1.047	3.371	1.264	3.016
.[illegible]5[illegible]	.[illegible]24	3.[illegible]10	.[illegible]95[illegible]	2.[illegible]36	1.120	2.641
.[illegible]06	.[illegible]46	2.[illegible]61	.659	2.173	.795	1.968
.[illegible]00	.[illegible]59	1.[illegible]80	.265	1.446	.380	1.297
.[illegible]90	-.[illegible]1[illegible]	1.[illegible]19	-.[illegible]02[illegible]	1.007	.075	.880
.[illegible]00	-.[illegible]63	.[illegible]72	-.[illegible]28[illegible]	.[illegible]71	-.184	.557
.500	-.[illegible]5[illegible]	.[illegible]79	-.[illegible]51[illegible]	.[illegible]65	-.423	.278
.[illegible]00	-.[illegible]82[illegible]	.[illegible]11	-.751	.121	-.560	.019
.700	-1.[illegible]6[illegible]	-.[illegible]50	-1.[illegible]02	-.138	-.410	-.237
.[illegible]00	-1.377	-.[illegible]25	-1.[illegible]94	-.412	-1.193	-.512
.[illegible]50	-1.[illegible]02	-.[illegible]50	-1.707	-.741	-1.599	-.847
.[illegible]00	-2.174	-.[illegible]66[illegible]	-2.062	-.966	-1.934	-1.080
.[illegible]50	-2.361	-.[illegible]97	-2.[illegible]39	-1.059	-2.098	-1.178

ASYMETRIE = -.50

PROBABILITE	INTERVALLE 95 .025	.975	INTERVALLE 90 .050	.950	INTERVALLE 80 .100	.900
.[illegible]3[illegible]	.[illegible]97	2.[illegible]61	1.059	2.239	1.178	2.098
.[illegible]50	.[illegible]66[illegible]	2.174	.966	2.062	1.080	1.934
.[illegible]00	.[illegible]50	1.[illegible]02	.741	1.707	.847	1.599
.[illegible]00	.[illegible]25	1.377	.412	1.294	.512	1.199
.[illegible]90	.050	1.[illegible]60	.138	1.002	.237	.910
.[illegible]00	-.211	.[illegible]2[illegible]	-.121	.751	-.019	.560
.[illegible]50	-.479	.[illegible]46[illegible]	-.[illegible]35	.516	-.278	.423
.[illegible]00	-.772	.[illegible]63	-.671	.280	-.557	.184
.700	-1.[illegible]19	.[illegible]15	-1.007	.028	-.880	-.075
.[illegible]00	-1.[illegible]5[illegible]	-.[illegible]59[illegible]	-1.446	-.265	-1.297	-.380
.[illegible]50	-2.[illegible]61	-.[illegible]46[illegible]	-2.173	-.659	-1.968	-.795
.[illegible]00	-3.[illegible]10	-.[illegible]24	-2.936	-.958	-2.641	-1.120
.[illegible]50	-3.[illegible]7[illegible]	-.[illegible]63	-3.371	-1.047	-3.016	-1.264

INTERVALLES DE CONFIANCE POUR LA LOI GAMMA N= 40

ASYMETRIE = .50

	INTERVALLE 95		INTERVALLE 90		INTERVALLE 80	
PROBABILITE	.025	.975	.050	.950	.100	.900
.017	1.406	4.025	1.539	3.699	1.703	3.359
.020	1.369	3.836	1.498	3.535	1.656	3.222
.050	1.064	2.753	1.166	2.573	1.290	2.379
.100	.748	2.034	.835	1.909	.937	1.771
.200	.342	1.343	.414	1.252	.498	1.150
.300	.042	.919	.107	.842	.182	.754
.400	-.214	.592	-.154	.522	-.084	.443
.500	-.452	.311	-.395	.246	-.327	.172
.600	-.684	.051	-.632	-.011	-.566	-.082
.700	-.933	-.206	-.881	-.267	-.816	-.337
.800	-1.229	-.479	-1.170	-.541	-1.101	-.611
.900	-1.634	-.811	-1.567	-.876	-1.489	-.952
.950	-1.984	-1.041	-1.902	-1.112	-1.810	-1.195
.980	-2.406	-1.247	-2.301	-1.327	-2.180	-1.422
.983	-2.469	-1.271	-2.359	-1.354	-2.234	-1.451

ASYMETRIE = -.50

	INTERVALLE 95		INTERVALLE 90		INTERVALLE 80	
PROBABILITE	.025	.975	.050	.950	.100	.900
.017	1.271	2.469	1.354	2.359	1.451	2.234
.020	1.247	2.406	1.327	2.301	1.422	2.180
.050	1.041	1.984	1.112	1.902	1.195	1.810
.100	.811	1.634	.876	1.567	.952	1.489
.200	.479	1.229	.541	1.170	.611	1.101
.300	.206	.938	.267	.881	.337	.816
.400	-.051	.688	.011	.632	.082	.566
.500	-.311	.452	-.246	.395	-.172	.327
.600	-.592	.214	-.522	.154	-.443	.084
.700	-.919	-.042	-.842	-.107	-.754	-.182
.800	-1.343	-.342	-1.252	-.414	-1.150	-.498
.900	-2.034	-.748	-1.909	-.835	-1.771	-.937
.950	-2.753	-1.064	-2.573	-1.166	-2.379	-1.290
.980	-3.836	-1.369	-3.535	-1.498	-3.222	-1.656
.983	-4.025	-1.406	-3.699	-1.539	-3.359	-1.703

INTERVALLES DE CONFIANCE POUR LA LOI GAMMA N= 60

ASYMETRIE = .50

	INTERVALLE 95		INTERVALLE 90		INTERVALLE 80	
PROBABILITE	.025	.975	.050	.950	.100	.900
.012	1.657	4.206	1.786	3.888	1.944	3.551
.020	1.513	3.531	1.624	3.302	1.760	3.052
.050	1.178	2.554	1.265	2.414	1.371	2.261
.100	.845	1.893	.917	1.795	1.003	1.686
.200	.422	1.240	.482	1.167	.552	1.086
.300	.115	.831	.168	.769	.231	.699
.400	-.145	.513	-.096	.457	-.038	.393
.500	-.387	.238	-.339	.185	-.284	.125
.600	-.624	-.019	-.577	-.070	-.523	-.128
.700	-.874	-.274	-.827	-.324	-.773	-.381
.800	-1.162	-.548	-1.113	-.598	-1.057	-.656
.900	-1.558	-.884	-1.503	-.937	-1.440	-.999
.950	-1.894	-1.119	-1.827	-1.178	-1.752	-1.247
.980	-2.299	-1.335	-2.210	-1.403	-2.111	-1.483
.988	-2.527	-1.427	-2.423	-1.500	-2.306	-1.587

ASYMETRIE = -.50

	INTERVALLE 95		INTERVALLE 90		INTERVALLE 80	
PROBABILITE	.025	.975	.050	.950	.100	.900
.012	1.427	2.527	1.500	2.423	1.587	2.306
.020	1.335	2.299	1.403	2.210	1.483	2.111
.050	1.119	1.894	1.178	1.827	1.247	1.752
.100	.884	1.558	.937	1.503	.999	1.440
.200	.548	1.162	.598	1.113	.656	1.057
.300	.274	.874	.324	.827	.381	.773
.400	.019	.624	.070	.577	.128	.523
.500	-.238	.387	-.185	.339	-.125	.284
.600	-.513	.146	-.457	.096	-.393	.038
.700	-.831	-.115	-.769	-.168	-.699	-.231
.800	-1.240	-.422	-1.167	-.482	-1.086	-.552
.900	-1.893	-.845	-1.795	-.917	-1.686	-1.003
.950	-2.554	-1.178	-2.414	-1.265	-2.261	-1.371
.980	-3.531	-1.513	-3.302	-1.624	-3.052	-1.760
.988	-4.206	-1.657	-3.888	-1.786	-3.551	-1.944

INTERVALLES DE CONFIANCE POUR LA LOI GAMMA N= 80

ASYMETRIE = .50

PROBABILITE	INTERVALLE 95 .025	INTERVALLE 95 .975	INTERVALLE 90 .050	INTERVALLE 90 .950	INTERVALLE 80 .100	INTERVALLE 80 .900
.010	1.797	4.158	1.919	3.868	2.067	3.559
.020	1.605	3.355	1.704	3.157	1.826	2.949
.050	1.249	2.439	1.327	2.321	1.420	2.192
.100	.904	1.812	.968	1.728	1.043	1.635
.200	.471	1.190	.524	1.118	.585	1.047
.300	.159	.780	.206	.727	.260	.666
.400	-.105	.467	-.061	.418	-.010	.363
.500	-.348	.194	-.306	.149	-.257	.097
.600	-.546	-.061	-.545	-.105	-.497	-.155
.700	-.835	-.315	-.794	-.358	-.747	-.407
.800	-1.121	-.590	-1.079	-.633	-1.030	-.683
.900	-1.512	-.927	-1.465	-.974	-1.410	-1.027
.950	-1.839	-1.167	-1.782	-1.218	-1.717	-1.278
.980	-2.230	-1.340	-2.153	-1.449	-2.067	-1.520
.990	-2.512	-1.508	-2.416	-1.574	-2.309	-1.653

ASYMETRIE = -.50

PROBABILITE	INTERVALLE 95 .025	INTERVALLE 95 .975	INTERVALLE 90 .050	INTERVALLE 90 .950	INTERVALLE 80 .100	INTERVALLE 80 .900
.010	1.508	2.512	1.574	2.416	1.653	2.309
.020	1.330	2.230	1.449	2.153	1.520	2.067
.050	1.147	1.839	1.218	1.782	1.278	1.717
.100	.927	1.512	.974	1.465	1.027	1.410
.200	.590	1.121	.633	1.079	.683	1.030
.300	.315	.835	.358	.794	.407	.747
.400	.061	.596	.105	.545	.155	.497
.500	-.194	.348	-.149	.306	-.097	.257
.600	-.467	.105	-.418	.061	-.363	.010
.700	-.780	-.159	-.727	-.206	-.666	-.260
.800	-1.180	-.471	-1.118	-.524	-1.047	-.585
.900	-1.912	-.904	-1.728	-.968	-1.635	-1.043
.950	-2.439	-1.249	-2.321	-1.327	-2.192	-1.420
.980	-3.355	-1.605	-3.157	-1.704	-2.949	-1.826
.990	-4.158	-1.797	-3.868	-1.919	-3.559	-2.067

INTERVALLES DE CONFIANCE POUR LA LOI GAMMA N= 100

ASYMETRIE = .50

PROBABILITE	INTERVALLE 95 .025	INTERVALLE 95 .975	INTERVALLE 90 .050	INTERVALLE 90 .950	INTERVALLE 80 .100	INTERVALLE 80 .900
.010	1.873	3.988	1.986	3.737	2.123	3.467
.020	1.669	3.233	1.760	3.063	1.871	2.877
.050	1.298	2.362	1.370	2.259	1.454	2.145
.100	.945	1.757	1.003	1.683	1.071	1.601
.200	.505	1.139	.553	1.084	.608	1.022
.300	.189	.745	.231	.698	.281	.644
.400	-.077	.435	-.037	.392	.008	.343
.500	-.320	.164	-.283	.124	-.239	.078
.600	-.559	-.089	-.522	-.128	-.480	-.173
.700	-.808	-.343	-.772	-.382	-.730	-.425
.800	-1.094	-.618	-1.056	-.656	-1.012	-.701
.900	-1.481	-.957	-1.438	-.999	-1.389	-1.047
.950	-1.802	-1.200	-1.751	-1.246	-1.693	-1.300
.980	-2.182	-1.428	-2.113	-1.482	-2.037	-1.545
.990	-2.457	-1.550	-2.371	-1.610	-2.273	-1.682

ASYMETRIE = -.50

PROBABILITE	INTERVALLE 95 .025	INTERVALLE 95 .975	INTERVALLE 90 .050	INTERVALLE 90 .950	INTERVALLE 80 .100	INTERVALLE 80 .900
.010	1.550	2.457	1.610	2.371	1.682	2.273
.020	1.428	2.182	1.482	2.113	1.545	2.037
.050	1.200	1.802	1.246	1.751	1.300	1.693
.100	.957	1.481	.999	1.438	1.047	1.389
.200	.618	1.094	.656	1.056	.701	1.012
.300	.343	.808	.382	.772	.425	.730
.400	.099	.559	.128	.522	.173	.480
.500	-.164	.320	-.124	.283	-.078	.239
.600	-.435	.077	-.392	.037	-.343	-.008
.700	-.745	-.149	-.698	-.231	-.644	-.281
.800	-1.139	-.505	-1.084	-.553	-1.022	-.608
.900	-1.757	-.945	-1.683	-1.003	-1.601	-1.071
.950	-2.362	-1.298	-2.259	-1.370	-2.145	-1.454
.980	-3.233	-1.669	-3.063	-1.760	-2.877	-1.871
.990	-3.988	-1.873	-3.737	-1.986	-3.467	-2.123

INTERVALLES DE CONFIANCE POUR LA LOI GAMMA N= 10

ASYMETRIE = .60

	INTERVALLE 95		INTERVALLE 90		INTERVALLE 80	
PROBABILITE	.025	.975	.050	.950	.100	.900
.067	.416	3.493	.578	3.123	.776	2.731
.100	.268	2.906	.417	2.607	.598	2.286
.200	-.073	1.953	.054	1.745	.207	1.517
.300	-.337	1.416	-.222	1.245	-.084	1.055
.400	-.570	1.026	-.461	.876	-.332	.707
.500	-.790	.706	-.686	.568	-.563	.413
.600	-1.012	.422	-.910	.291	-.790	.145
.700	-1.251	.151	-1.150	.026	-1.031	-.115
.800	-1.535	-.126	-1.431	-.248	-1.308	-.387
.900	-1.936	-.441	-1.822	-.566	-1.688	-.708
.933	-2.132	-.566	-2.012	-.694	-1.870	-.841

ASYMETRIE = -.60

	INTERVALLE 95		INTERVALLE 90		INTERVALLE 80	
PROBABILITE	.025	.975	.050	.950	.100	.900
.067	.566	2.132	.694	2.012	.841	1.870
.100	.441	1.936	.566	1.822	.708	1.688
.200	.126	1.535	.248	1.431	.387	1.308
.300	-.151	1.251	-.026	1.150	.115	1.031
.400	-.422	1.012	-.291	.910	-.145	.790
.500	-.706	.790	-.568	.686	-.413	.563
.600	-1.026	.570	-.876	.461	-.707	.332
.700	-1.416	.337	-1.245	.222	-1.055	.084
.800	-1.953	.073	-1.745	-.054	-1.517	-.207
.900	-2.906	-.268	-2.607	-.417	-2.286	-.598
.933	-3.493	-.416	-3.123	-.578	-2.731	-.776

INTERVALLES DE CONFIANCE POUR LA LOI GAMMA N= 20

ASYMETRIE = .60

	INTERVALLE 95		INTERVALLE 90		INTERVALLE 80	
PROBABILITE	.025	.975	.050	.950	.100	.900
.034	.936	3.844	1.085	3.486	1.268	3.109
.050	.816	3.309	.952	3.019	1.119	2.711
.100	.532	2.413	.647	2.215	.786	2.000
.200	.152	1.595	.249	1.456	.364	1.302
.300	-.132	1.118	-.044	1.003	.059	.873
.400	-.376	.763	-.295	.660	-.199	.544
.500	-.604	.465	-.527	.369	-.436	.262
.600	-.831	.194	-.756	.104	-.667	.003
.700	-1.071	-.067	-.996	-.154	-.909	-.252
.800	-1.351	-.339	-1.274	-.425	-1.184	-.523
.900	-1.743	-.657	-1.657	-.746	-1.557	-.848
.950	-2.074	-.868	-1.976	-.962	-1.862	-1.071
.966	-2.236	-.953	-2.130	-1.051	-2.007	-1.164

ASYMETRIE = -.60

	INTERVALLE 95		INTERVALLE 90		INTERVALLE 80	
PROBABILITE	.025	.975	.050	.950	.100	.900
.034	.953	2.236	1.051	2.130	1.164	2.007
.050	.868	2.074	.962	1.976	1.071	1.862
.100	.657	1.743	.746	1.657	.848	1.557
.200	.339	1.351	.425	1.274	.523	1.184
.300	.067	1.071	.154	.996	.252	.909
.400	-.194	.831	-.104	.756	-.003	.667
.500	-.465	.604	-.369	.527	-.262	.436
.600	-.763	.376	-.660	.295	-.544	.199
.700	-1.118	.132	-1.003	.044	-.873	-.059
.800	-1.595	-.152	-1.456	-.249	-1.302	-.364
.900	-2.413	-.532	-2.215	-.647	-2.000	-.786
.950	-3.309	-.816	-3.019	-.952	-2.711	-1.119
.966	-3.844	-.936	-3.486	-1.085	-3.109	-1.268

INTERVALLES DE CONFIANCE POUR LA LOI GAMMA N= 40

ASYMETRIE = .60

PROBABILITE	INTERVALLE 95 .025	INTERVALLE 95 .975	INTERVALLE 90 .050	INTERVALLE 90 .950	INTERVALLE 80 .100	INTERVALLE 80 .900
.017	1.412	4.186	1.551	3.838	1.722	3.471
.020	1.374	3.987	1.508	3.665	1.673	3.324
.050	1.062	2.832	1.167	2.637	1.295	2.431
.100	.734	2.069	.826	1.938	.931	1.794
.200	.326	1.349	.399	1.255	.484	1.150
.300	.025	.913	.090	.834	.165	.744
.400	-.230	.579	-.170	.509	-.100	.428
.500	-.464	.295	-.408	.230	-.341	.155
.600	-.695	.034	-.640	-.028	-.575	-.099
.700	-.935	-.221	-.881	-.282	-.818	-.351
.800	-1.212	-.491	-1.156	-.551	-1.091	-.620
.900	-1.598	-.813	-1.528	-.876	-1.456	-.948
.950	-1.906	-1.034	-1.834	-1.101	-1.750	-1.180
.980	-2.274	-1.229	-2.184	-1.305	-2.090	-1.394
.983	-2.327	-1.252	-2.234	-1.329	-2.126	-1.420

ASYMETRIE = -.60

PROBABILITE	INTERVALLE 95 .025	INTERVALLE 95 .975	INTERVALLE 90 .050	INTERVALLE 90 .950	INTERVALLE 80 .100	INTERVALLE 80 .900
.017	1.252	2.327	1.329	2.234	1.420	2.126
.020	1.229	2.274	1.305	2.184	1.394	2.080
.050	1.034	1.906	1.101	1.834	1.180	1.750
.100	.813	1.598	.876	1.528	.948	1.456
.200	.491	1.212	.551	1.156	.620	1.091
.300	.221	.936	.282	.881	.351	.818
.400	-.034	.695	.028	.640	.099	.575
.500	-.295	.464	-.230	.408	-.155	.341
.600	-.579	.230	-.509	.170	-.428	.100
.700	-.913	-.025	-.834	-.090	-.744	-.165
.800	-1.349	-.326	-1.255	-.399	-1.150	-.484
.900	-2.069	-.738	-1.938	-.826	-1.794	-.931
.950	-2.832	-1.062	-2.637	-1.167	-2.431	-1.295
.980	-3.987	-1.374	-3.665	-1.508	-3.324	-1.673
.983	-4.186	-1.412	-3.838	-1.551	-3.471	-1.722

INTERVALLES DE CONFIANCE POUR LA LOI GAMMA N= 60

ASYMETRIE = .60

PROBABILITE	INTERVALLE 95 .025	INTERVALLE 95 .975	INTERVALLE 90 .050	INTERVALLE 90 .950	INTERVALLE 80 .100	INTERVALLE 80 .900
.012	1.672	4.381	1.808	4.037	1.973	3.679
.020	1.524	3.663	1.640	3.410	1.742	3.143
.050	1.179	2.618	1.269	2.469	1.378	2.308
.100	.836	1.922	.911	1.819	.999	1.705
.200	.407	1.243	.468	1.168	.539	1.084
.300	.098	.823	.152	.760	.214	.688
.400	-.163	.499	-.113	.442	-.055	.378
.500	-.400	.221	-.353	.168	-.298	.108
.600	-.632	-.036	-.587	-.086	-.534	-.144
.700	-.874	-.289	-.829	-.338	-.776	-.394
.800	-1.149	-.558	-1.103	-.607	-1.049	-.663
.900	-1.520	-.863	-1.469	-.935	-1.410	-.994
.950	-1.826	-1.109	-1.766	-1.164	-1.697	-1.229
.980	-2.182	-1.313	-2.106	-1.376	-2.019	-1.450
.988	-2.376	-1.398	-2.289	-1.466	-2.189	-1.547

ASYMETRIE = -.60

PROBABILITE	INTERVALLE 95 .025	INTERVALLE 95 .975	INTERVALLE 90 .050	INTERVALLE 90 .950	INTERVALLE 80 .100	INTERVALLE 80 .900
.012	1.398	2.376	1.466	2.289	1.547	2.189
.020	1.313	2.182	1.376	2.106	1.450	2.019
.050	1.109	1.826	1.164	1.766	1.229	1.697
.100	.883	1.520	.935	1.469	.994	1.410
.200	.558	1.149	.607	1.103	.663	1.049
.300	.289	.874	.338	.829	.394	.776
.400	.036	.632	.086	.587	.144	.534
.500	-.221	.400	-.168	.353	-.108	.298
.600	-.499	.162	-.442	.113	-.378	.055
.700	-.823	-.098	-.760	-.152	-.688	-.214
.800	-1.243	-.407	-1.168	-.468	-1.084	-.539
.900	-1.922	-.836	-1.819	-.911	-1.705	-.999
.950	-2.618	-1.179	-2.469	-1.269	-2.308	-1.378
.980	-3.663	-1.524	-3.410	-1.640	-3.143	-1.782
.988	-4.381	-1.672	-4.037	-1.808	-3.679	-1.973

INTERVALLES DE CONFIANCE POUR LA LOI GAMMA N= 80

ASYMETRIE = .60

	INTERVALLE 95		INTERVALLE 90		INTERVALLE 80	
PROBABILITE	.025	.975	.050	.950	.100	.900
.010	1.816	4.332	1.945	4.017	2.101	3.687
.020	1.619	3.465	1.723	3.259	1.850	3.031
.050	1.252	2.495	1.333	2.371	1.429	2.235
.100	.897	1.836	.963	1.749	1.040	1.652
.200	.457	1.180	.510	1.117	.572	1.045
.300	.142	.771	.189	.716	.244	.655
.400	-.121	.452	-.078	.403	-.027	.347
.500	-.341	.177	-.320	.132	-.272	.080
.600	-.595	-.078	-.555	-.121	-.509	-.171
.700	-.836	-.330	-.797	-.372	-.752	-.420
.800	-1.110	-.598	-1.070	-.641	-1.024	-.689
.900	-1.477	-.925	-1.433	-.970	-1.382	-1.021
.950	-1.776	-1.154	-1.725	-1.202	-1.666	-1.259
.980	-2.123	-1.363	-2.056	-1.419	-1.980	-1.484
.990	-2.363	-1.473	-2.283	-1.535	-2.191	-1.607

ASYMETRIE = -.60

	INTERVALLE 95		INTERVALLE 90		INTERVALLE 80	
PROBABILITE	.025	.975	.050	.950	.100	.900
.010	1.473	2.363	1.535	2.283	1.607	2.191
.020	1.363	2.123	1.419	2.056	1.484	1.980
.050	1.154	1.776	1.202	1.725	1.259	1.666
.100	.925	1.477	.970	1.433	1.021	1.382
.200	.598	1.110	.641	1.070	.689	1.024
.300	.330	.836	.372	.797	.420	.752
.400	.078	.595	.121	.555	.171	.509
.500	-.177	.361	-.132	.320	-.080	.272
.600	-.452	.121	-.403	.078	-.347	.027
.700	-.771	-.142	-.716	-.189	-.655	-.244
.800	-1.181	-.457	-1.117	-.510	-1.045	-.572
.900	-1.836	-.897	-1.749	-.963	-1.652	-1.040
.950	-2.495	-1.252	-2.371	-1.333	-2.235	-1.429
.980	-3.465	-1.619	-3.259	-1.723	-3.031	-1.850
.990	-4.332	-1.816	-4.017	-1.945	-3.687	-2.101

INTERVALLES DE CONFIANCE POUR LA LOI GAMMA N= 100

ASYMETRIE = .60

	INTERVALLE 95		INTERVALLE 90		INTERVALLE 80	
PROBABILITE	.025	.975	.050	.950	.100	.900
.010	1.895	4.151	2.015	3.874	2.160	3.583
.020	1.687	3.336	1.782	3.152	1.898	2.960
.050	1.303	2.414	1.377	2.305	1.465	2.185
.100	.939	1.779	.999	1.702	1.069	1.616
.200	.491	1.139	.539	1.082	.595	1.018
.300	.173	.735	.215	.687	.264	.632
.400	-.093	.420	-.054	.377	-.009	.327
.500	-.335	.148	-.297	.107	-.254	.061
.600	-.569	-.106	-.533	-.144	-.491	-.189
.700	-.811	-.357	-.776	-.395	-.735	-.438
.800	-1.084	-.626	-1.048	-.663	-1.006	-.707
.900	-1.444	-.954	-1.409	-.994	-1.363	-1.040
.950	-1.743	-1.185	-1.697	-1.229	-1.644	-1.279
.980	-2.081	-1.399	-2.021	-1.449	-1.953	-1.508
.990	-2.317	-1.512	-2.244	-1.568	-2.161	-1.634

ASYMETRIE = -.60

	INTERVALLE 95		INTERVALLE 90		INTERVALLE 80	
PROBABILITE	.025	.975	.050	.950	.100	.900
.010	1.512	2.317	1.568	2.244	1.634	2.161
.020	1.399	2.081	1.449	2.021	1.508	1.953
.050	1.185	1.743	1.229	1.697	1.279	1.644
.100	.954	1.448	.994	1.409	1.040	1.363
.200	.626	1.084	.663	1.048	.707	1.006
.300	.357	.811	.395	.776	.438	.735
.400	.106	.569	.144	.533	.189	.491
.500	-.148	.335	-.107	.297	-.061	.254
.600	-.420	.093	-.377	.054	-.327	.009
.700	-.735	-.173	-.687	-.215	-.632	-.264
.800	-1.139	-.491	-1.082	-.539	-1.018	-.595
.900	-1.779	-.999	-1.702	-.999	-1.616	-1.069
.950	-2.414	-1.303	-2.305	-1.377	-2.185	-1.465
.980	-3.336	-1.687	-3.152	-1.782	-2.960	-1.898
.990	-4.151	-1.895	-3.874	-2.015	-3.583	-2.160

INTERVALLES DE CONFIANCE POUR LA LOI GAMMA N= 10

ASYMETRIE = .70

	INTERVALLE 95		INTERVALLE 90		INTERVALLE 80	
PROBABILITE	.025	.975	.050	.950	.100	.900
.067	.399	3.608	.563	3.214	.765	2.798
.100	.252	2.985	.402	2.668	.585	2.333
.200	-.084	1.985	.038	1.766	.180	1.529
.300	-.351	1.424	-.237	1.247	-.100	1.052
.400	-.579	1.022	-.473	.868	-.346	.696
.500	-.782	.695	-.692	.555	-.572	.398
.600	-1.005	.406	-.908	.275	-.793	.128
.700	-1.231	.134	-1.136	.009	-1.023	-.131
.800	-1.494	-.142	-1.398	-.263	-1.285	-.400
.900	-1.856	-.453	-1.755	-.575	-1.634	-.713
.933	-2.026	-.575	-1.922	-.699	-1.797	-.841

ASYMETRIE = -.70

	INTERVALLE 95		INTERVALLE 90		INTERVALLE 80	
PROBABILITE	.025	.975	.050	.950	.100	.900
.067	.575	2.026	.699	1.922	.841	1.797
.100	.453	1.856	.575	1.755	.713	1.634
.200	.142	1.494	.263	1.398	.400	1.285
.300	-.134	1.231	-.009	1.136	.131	1.023
.400	-.406	1.005	-.275	.908	-.128	.793
.500	-.695	.792	-.555	.692	-.398	.572
.600	-1.022	.579	-.868	.473	-.696	.346
.700	-1.426	.351	-1.247	.237	-1.052	.100
.800	-1.985	.048	-1.766	-.038	-1.529	-.190
.900	-2.985	-.252	-2.668	-.402	-2.333	-.585
.933	-3.608	-.398	-3.214	-.563	-2.798	-.765

INTERVALLES DE CONFIANCE POUR LA LOI GAMMA N= 20

ASYMETRIE = .70

	INTERVALLE 95		INTERVALLE 90		INTERVALLE 80	
PROBABILITE	.025	.975	.050	.950	.100	.900
.034	.920	3.961	1.076	3.599	1.266	3.197
.050	.803	3.419	.944	3.109	1.115	2.779
.100	.521	2.473	.637	2.262	.778	2.037
.200	.136	1.609	.233	1.465	.349	1.305
.300	-.148	1.117	-.061	.998	.042	.865
.400	-.389	.753	-.309	.648	-.215	.530
.500	-.613	.450	-.537	.354	-.448	.246
.600	-.832	.177	-.759	.087	-.673	-.014
.700	-1.062	-.084	-.990	-.170	-.906	-.267
.800	-1.325	-.353	-1.253	-.437	-1.168	-.533
.900	-1.683	-.654	-1.606	-.750	-1.515	-.849
.950	-1.976	-.868	-1.891	-.958	-1.790	-1.062
.966	-2.114	-.949	-2.024	-1.042	-1.918	-1.150

ASYMETRIE = -.70

	INTERVALLE 95		INTERVALLE 90		INTERVALLE 80	
PROBABILITE	.025	.975	.050	.950	.100	.900
.034	.949	2.114	1.042	2.024	1.150	1.918
.050	.868	1.976	.958	1.891	1.062	1.790
.100	.664	1.683	.750	1.606	.848	1.515
.200	.353	1.325	.437	1.253	.533	1.168
.300	.094	1.062	.170	.990	.267	.906
.400	-.177	.832	-.087	.759	.014	.673
.500	-.450	.613	-.354	.537	-.246	.448
.600	-.753	.389	-.648	.309	-.530	.215
.700	-1.117	.148	-.998	.061	-.865	-.042
.800	-1.609	-.136	-1.465	-.233	-1.305	-.349
.900	-2.473	-.521	-2.262	-.637	-2.037	-.778
.950	-3.419	-.803	-3.109	-.944	-2.779	-1.115
.966	-3.961	-.920	-3.599	-1.076	-3.197	-1.266

INTERVALLES DE CONFIANCE POUR LA LOI GAMMA N= 40

ASYMETRIE = .70

	INTERVALLE 95		INTERVALLE 90		INTERVALLE 80	
PROBABILITE	.025	.975	.050	.950	.100	.900
.017	1.401	4.354	1.553	3.974	1.734	3.582
.020	1.363	4.142	1.509	3.786	1.683	3.432
.050	1.057	2.913	1.166	2.708	1.298	2.488
.100	.733	2.110	.820	1.970	.926	1.818
.200	.310	1.354	.383	1.257	.469	1.149
.300	.009	.905	.073	.825	.149	.734
.400	-.245	.566	-.136	.494	-.116	.413
.500	-.476	.279	-.420	.213	-.355	.138
.600	-.700	.018	-.647	-.045	-.584	-.115
.700	-.932	-.236	-.826	-.296	-.819	-.364
.800	-1.195	-.502	-1.142	-.560	-1.080	-.627
.900	-1.545	-.815	-1.488	-.875	-1.422	-.945
.950	-1.823	-1.026	-1.765	-1.090	-1.690	-1.164
.980	-2.146	-1.211	-2.070	-1.282	-1.980	-1.364
.983	-2.190	-1.232	-2.112	-1.305	-2.021	-1.389

ASYMETRIE = -.70

	INTERVALLE 95		INTERVALLE 90		INTERVALLE 80	
PROBABILITE	.025	.975	.050	.950	.100	.900
.017	1.232	2.190	1.305	2.112	1.389	2.021
.020	1.211	2.146	1.282	2.070	1.364	1.980
.050	1.026	1.829	1.090	1.765	1.164	1.690
.100	.815	1.545	.875	1.488	.945	1.422
.200	.502	1.195	.560	1.142	.627	1.080
.300	.234	.932	.296	.860	.364	.819
.400	-.018	.700	.045	.647	.115	.584
.500	-.279	.476	-.213	.420	-.138	.355
.600	-.566	.245	-.494	.186	-.413	.116
.700	-.905	-.008	-.825	-.073	-.734	-.149
.800	-1.354	-.310	-1.257	-.383	-1.149	-.469
.900	-2.110	-.733	-1.970	-.820	-1.818	-.926
.950	-2.913	-1.057	-2.708	-1.166	-2.488	-1.298
.980	-4.142	-1.363	-3.786	-1.509	-3.432	-1.683
.983	-4.354	-1.401	-3.974	-1.553	-3.582	-1.734

INTERVALLES DE CONFIANCE POUR LA LOI GAMMA N= 60

ASYMETRIE = .70

	INTERVALLE 95		INTERVALLE 90		INTERVALLE 80	
PROBABILITE	.025	.975	.050	.950	.100	.900
.012	1.664	4.555	1.818	4.193	1.992	3.803
.020	1.515	3.784	1.644	3.523	1.796	3.241
.050	1.141	2.648	1.273	2.530	1.385	2.358
.100	.832	1.855	.906	1.845	.995	1.724
.200	.392	1.245	.453	1.168	.525	1.081
.300	.081	.814	.135	.750	.198	.677
.400	-.178	.485	-.129	.428	-.071	.362
.500	-.413	.205	-.367	.151	-.313	.091
.600	-.640	-.053	-.595	-.103	-.544	-.160
.700	-.873	-.304	-.830	-.352	-.779	-.407
.800	-1.135	-.568	-1.091	-.615	-1.040	-.670
.900	-1.441	-.882	-1.434	-.931	-1.379	-.988
.950	-1.752	-1.097	-1.704	-1.150	-1.643	-1.210
.980	-2.068	-1.289	-2.003	-1.348	-1.928	-1.416
.988	-2.230	-1.368	-2.158	-1.431	-2.074	-1.505

ASYMETRIE = -.70

	INTERVALLE 95		INTERVALLE 90		INTERVALLE 80	
PROBABILITE	.025	.975	.050	.950	.100	.900
.012	1.352	2.230	1.431	2.158	1.565	2.074
.020	1.288	2.068	1.348	2.003	1.416	1.928
.050	1.097	1.758	1.150	1.704	1.210	1.643
.100	.882	1.481	.931	1.434	.988	1.379
.200	.565	1.135	.615	1.091	.670	1.040
.300	.304	.873	.352	.830	.407	.779
.400	.053	.640	.103	.595	.160	.544
.500	-.205	.413	-.151	.367	-.091	.313
.600	-.485	.179	-.428	.129	-.362	.071
.700	-.814	-.081	-.750	-.135	-.677	-.198
.800	-1.246	-.343	-1.168	-.453	-1.081	-.525
.900	-1.955	-.932	-1.845	-.906	-1.724	-.995
.950	-2.648	-1.181	-2.530	-1.273	-2.358	-1.385
.980	-3.784	-1.515	-3.523	-1.644	-3.241	-1.796
.988	-4.555	-1.658	-4.193	-1.818	-3.803	-1.992

INTERVALLES DE CONFIANCE POUR LA LOI GAMMA N= 80

ASYMETRIE = .70

PROBABILITE	INTERVALLE 95		INTERVALLE 90		INTERVALLE 80	
	.025	.975	.050	.950	.100	.900
.010	1.423	4.502	1.962	4.173	2.126	3.814
.020	1.611	3.580	1.729	3.355	1.866	3.124
.050	1.253	2.568	1.340	2.435	1.439	2.288
.100	.893	1.864	.958	1.771	1.037	1.669
.200	.442	1.180	.496	1.115	.559	1.041
.300	.125	.761	.172	.705	.227	.642
.400	-.137	.437	-.094	.388	-.044	.332
.500	-.375	.161	-.334	.115	-.287	.063
.600	-.603	-.094	-.584	-.137	-.519	-.186
.700	-.837	-.343	-.799	-.385	-.755	-.432
.800	-1.099	-.607	-1.061	-.648	-1.016	-.695
.900	-1.442	-.922	-1.401	-.965	-1.353	-1.014
.950	-1.714	-1.140	-1.667	-1.185	-1.614	-1.238
.980	-2.018	-1.336	-1.960	-1.388	-1.894	-1.448
.990	-2.219	-1.439	-2.153	-1.494	-2.076	-1.561

ASYMETRIE = -.70

PROBABILITE	INTERVALLE 95		INTERVALLE 90		INTERVALLE 80	
	.025	.975	.050	.950	.100	.900
.010	1.439	2.219	1.494	2.153	1.561	2.076
.020	1.338	2.018	1.388	1.960	1.448	1.894
.050	1.141	1.714	1.185	1.667	1.238	1.614
.100	.923	1.442	.965	1.401	1.014	1.353
.200	.607	1.099	.648	1.061	.695	1.016
.300	.343	.837	.345	.799	.432	.755
.400	.094	.603	.137	.564	.186	.519
.500	-.161	.375	-.115	.334	-.063	.287
.600	-.437	.137	-.388	.094	-.332	.044
.700	-.741	-.125	-.705	-.172	-.642	-.227
.800	-1.191	-.442	-1.115	-.496	-1.041	-.559
.900	-1.366	-.842	-1.771	-.958	-1.669	-1.037
.950	-2.564	-1.259	-2.435	-1.340	-2.288	-1.439
.980	-3.580	-1.611	-3.355	-1.729	-3.124	-1.866
.990	-4.502	-1.820	-4.173	-1.962	-3.814	-2.126

INTERVALLES DE CONFIANCE POUR LA LOI GAMMA N= 100

ASYMETRIE = .70

PROBABILITE	INTERVALLE 95		INTERVALLE 90		INTERVALLE 80	
	.025	.975	.050	.950	.100	.900
.010	1.904	4.315	2.029	4.011	2.185	3.712
.020	1.679	3.453	1.789	3.258	1.915	3.045
.050	1.314	2.482	1.387	2.359	1.476	2.229
.100	.935	1.803	.995	1.722	1.066	1.632
.200	.477	1.137	.525	1.079	.582	1.013
.300	.156	.724	.198	.675	.248	.619
.400	-.119	.405	-.071	.361	-.025	.311
.500	-.368	.141	-.312	.090	-.269	.044
.600	-.622	-.122	-.563	-.160	-.502	-.204
.700	-.892	-.378	-.778	-.407	-.739	-.459
.800	-1.074	-.633	-1.039	-.670	-1.000	-.712
.900	-1.415	-.950	-1.378	-.988	-1.336	-1.032
.950	-1.693	-1.169	-1.642	-1.210	-1.594	-1.257
.980	-1.982	-1.369	-1.930	-1.415	-1.871	-1.470
.990	-2.181	-1.474	-2.120	-1.525	-2.050	-1.585

ASYMETRIE = -.70

PROBABILITE	INTERVALLE 95		INTERVALLE 90		INTERVALLE 80	
	.025	.975	.050	.950	.100	.900
.010	1.474	2.181	1.525	2.120	1.585	2.050
.020	1.369	1.982	1.415	1.930	1.470	1.871
.050	1.169	1.693	1.210	1.642	1.257	1.594
.100	.959	1.415	.988	1.378	1.032	1.336
.200	.633	1.074	.670	1.039	.712	1.000
.300	.378	.812	.407	.778	.450	.739
.400	.122	.578	.150	.543	.204	.502
.500	-.131	.348	-.090	.312	-.044	.269
.600	-.405	.110	-.361	.071	-.311	.025
.700	-.724	-.156	-.675	-.198	-.619	-.248
.800	-1.137	-.477	-1.079	-.525	-1.013	-.582
.900	-1.803	-.995	-1.722	-.995	-1.632	-1.066
.950	-2.482	-1.314	-2.359	-1.387	-2.229	-1.476
.980	-3.453	-1.879	-3.258	-1.789	-3.045	-1.915
.990	-4.315	-1.904	-4.011	-2.029	-3.712	-2.185

INTERVALLES DE CONFIANCE POUR LA LOI GAMMA N= 10

ASYMETRIE = .80

	INTERVALLE 95		INTERVALLE 90		INTERVALLE 80	
PROBABILITE	.025	.975	.050	.950	.100	.900
.047	.386	3.714	.551	3.299	.756	2.862
.100	.234	3.058	.385	2.725	.571	2.372
.200	-.106	2.008	.020	1.783	.173	1.538
.300	-.384	1.430	-.252	1.248	-.116	1.048
.400	-.587	1.017	-.484	.859	-.359	.684
.500	-.794	.693	-.697	.541	-.581	.382
.600	-.997	.391	-.905	.259	-.794	.111
.700	-1.211	.117	-1.121	-.008	-1.014	-.147
.800	-1.454	-.158	-1.366	-.278	-1.260	-.413
.900	-1.776	-.464	-1.687	-.583	-1.580	-.718
.933	-1.922	-.584	-1.834	-.704	-1.725	-.841

ASYMETRIE = -.80

	INTERVALLE 95		INTERVALLE 90		INTERVALLE 80	
PROBABILITE	.025	.975	.050	.950	.100	.900
.047	.584	1.922	.704	1.834	.841	1.725
.100	.464	1.776	.583	1.687	.718	1.580
.200	.158	1.454	.278	1.366	.413	1.260
.300	-.117	1.211	.008	1.121	.147	1.014
.400	-.391	.997	-.259	.905	-.111	.794
.500	-.643	.794	-.541	.697	-.382	.581
.600	-1.017	.587	-.859	.484	-.684	.359
.700	-1.430	.364	-1.248	.252	-1.048	.116
.800	-2.008	.106	-1.783	-.020	-1.538	-.173
.900	-3.058	-.234	-2.725	-.385	-2.372	-.571
.933	-3.714	-.386	-3.299	-.551	-2.862	-.756

INTERVALLES DE CONFIANCE POUR LA LOI GAMMA N= 20

ASYMETRIE = .80

	INTERVALLE 95		INTERVALLE 90		INTERVALLE 80	
PROBABILITE	.025	.975	.050	.950	.100	.900
.034	.924	4.112	1.079	3.707	1.272	3.283
.050	.796	3.508	.938	3.183	1.114	2.838
.100	.503	2.511	.622	2.294	.766	2.059
.200	.118	1.621	.216	1.472	.332	1.308
.300	-.164	1.114	-.078	.992	.025	.856
.400	-.402	.742	-.323	.635	-.230	.516
.500	-.620	.435	-.546	.338	-.459	.229
.600	-.832	.161	-.762	.070	-.679	-.031
.700	-1.051	-.100	-.983	-.185	-.903	-.282
.800	-1.297	-.366	-1.231	-.449	-1.152	-.542
.900	-1.624	-.670	-1.555	-.753	-1.472	-.847
.950	-1.890	-.866	-1.806	-.952	-1.718	-1.051
.966	-1.985	-.944	-1.921	-1.032	-1.830	-1.134

ASYMETRIE = -.80

	INTERVALLE 95		INTERVALLE 90		INTERVALLE 80	
PROBABILITE	.025	.975	.050	.950	.100	.900
.034	.944	1.985	1.032	1.921	1.134	1.830
.050	.866	1.880	.952	1.806	1.051	1.718
.100	.670	1.624	.753	1.555	.847	1.472
.200	.366	1.297	.449	1.231	.542	1.152
.300	.100	1.051	.185	.983	.282	.903
.400	-.161	.832	-.070	.762	.031	.679
.500	-.435	.620	-.338	.546	-.229	.459
.600	-.742	.402	-.635	.323	-.516	.230
.700	-1.114	.164	-.992	.078	-.856	-.025
.800	-1.621	-.118	-1.472	-.216	-1.308	-.332
.900	-2.511	-.503	-2.294	-.622	-2.059	-.766
.950	-3.508	-.796	-3.183	-.938	-2.838	-1.114
.966	-4.112	-.924	-3.707	-1.079	-3.283	-1.272

INTERVALLES DE CONFIANCE POUR LA LOI GAMMA N= 40

ASYMETRIE = .80

	INTERVALLE 95		INTERVALLE 90		INTERVALLE 80	
PROBABILITE	.025	.975	.050	.950	.100	.900
.012	1.431	4.501	1.578	4.105	1.760	3.691
.020	1.348	4.271	1.530	3.907	1.706	3.526
.050	1.052	2.968	1.164	2.758	1.300	2.531
.100	.716	2.134	.808	1.992	.917	1.836
.200	.294	1.358	.367	1.259	.454	1.147
.300	-.008	.898	.056	.815	.132	.723
.400	-.260	.553	-.201	.480	-.133	.398
.500	-.497	.263	-.432	.196	-.368	.121
.600	-.705	.001	-.653	-.061	-.593	-.131
.700	-.928	-.251	-.878	-.310	-.820	-.377
.800	-1.176	-.512	-1.127	-.569	-1.069	-.635
.900	-1.499	-.816	-1.448	-.874	-1.387	-.940
.950	-1.753	-1.017	-1.696	-1.078	-1.630	-1.148
.980	-2.022	-1.191	-1.959	-1.257	-1.883	-1.334
.988	-2.058	-1.212	-1.994	-1.279	-1.917	-1.357

ASYMETRIE = -.80

	INTERVALLE 95		INTERVALLE 90		INTERVALLE 80	
PROBABILITE	.025	.975	.050	.950	.100	.900
.012	1.212	2.058	1.279	1.994	1.357	1.917
.020	1.191	2.022	1.257	1.959	1.334	1.883
.050	1.017	1.753	1.078	1.696	1.148	1.630
.100	.816	1.499	.874	1.448	.940	1.387
.200	.512	1.176	.569	1.127	.635	1.069
.300	.251	.929	.310	.878	.377	.820
.400	-.001	.705	.061	.653	.131	.593
.500	-.263	.487	-.196	.432	-.121	.368
.600	-.553	.260	-.480	.201	-.398	.133
.700	-.898	.008	-.815	-.056	-.723	-.132
.800	-1.358	-.294	-1.259	-.367	-1.147	-.454
.900	-2.134	-.716	-1.992	-.808	-1.836	-.917
.950	-2.968	-1.052	-2.758	-1.164	-2.531	-1.300
.980	-4.271	-1.348	-3.907	-1.530	-3.526	-1.706
.988	-4.501	-1.431	-4.105	-1.578	-3.691	-1.760

INTERVALLES DE CONFIANCE POUR LA LOI GAMMA N= 60

ASYMETRIE = .80

	INTERVALLE 95		INTERVALLE 90		INTERVALLE 80	
PROBABILITE	.025	.975	.050	.950	.100	.900
.012	1.714	4.724	1.856	4.333	2.034	3.925
.020	1.545	3.901	1.670	3.619	1.823	3.320
.050	1.176	2.735	1.272	2.573	1.388	2.395
.100	.818	1.974	.896	1.863	.988	1.739
.200	.376	1.245	.438	1.166	.510	1.077
.300	.064	.805	.118	.739	.181	.664
.400	-.194	.470	-.145	.412	-.088	.346
.500	-.425	.189	-.340	.134	-.327	.074
.600	-.646	-.069	-.603	-.119	-.553	-.176
.700	-.871	-.318	-.830	-.365	-.781	-.419
.800	-1.120	-.576	-1.079	-.623	-1.031	-.675
.900	-1.441	-.880	-1.398	-.927	-1.348	-.981
.950	-1.690	-1.084	-1.643	-1.134	-1.588	-1.191
.980	-1.958	-1.264	-1.903	-1.319	-1.838	-1.382
.988	-2.090	-1.338	-2.032	-1.396	-1.962	-1.463

ASYMETRIE = -.80

	INTERVALLE 95		INTERVALLE 90		INTERVALLE 80	
PROBABILITE	.025	.975	.050	.950	.100	.900
.012	1.338	2.090	1.396	2.032	1.463	1.962
.020	1.264	1.958	1.319	1.903	1.382	1.838
.050	1.084	1.690	1.134	1.643	1.191	1.588
.100	.880	1.441	.927	1.398	.981	1.348
.200	.576	1.120	.623	1.079	.675	1.031
.300	.318	.871	.365	.830	.419	.781
.400	.069	.646	.119	.603	.176	.553
.500	-.188	.425	-.134	.380	-.074	.327
.600	-.470	.194	-.412	.145	-.346	.088
.700	-.805	-.064	-.739	-.118	-.664	-.181
.800	-1.245	-.376	-1.166	-.438	-1.077	-.510
.900	-1.974	-.818	-1.863	-.896	-1.739	-.988
.950	-2.735	-1.176	-2.573	-1.272	-2.395	-1.388
.980	-3.901	-1.545	-3.619	-1.670	-3.320	-1.823
.988	-4.724	-1.714	-4.333	-1.856	-3.925	-2.034

INTERVALLES DE CONFIANCE POUR LA LOI GAMMA N= 80

ASYMETRIE = .80

	INTERVALLE 95		INTERVALLE 90		INTERVALLE 80	
PROBABILITE	.025	.975	.050	.950	.100	.900
.010	1.871	4.655	2.006	4.307	2.174	3.934
.020	1.644	3.630	1.757	3.446	1.896	3.196
.050	1.254	2.601	1.340	2.465	1.443	2.315
.100	.881	1.882	.950	1.788	1.031	1.683
.200	.427	1.189	.481	1.112	.545	1.036
.300	.109	.750	.155	.694	.211	.630
.400	-.153	.422	-.111	.372	-.061	.315
.500	-.383	.144	-.348	.098	-.301	.046
.600	-.611	-.110	-.573	-.153	-.529	-.202
.700	-.837	-.357	-.801	-.398	-.758	-.444
.800	-1.086	-.614	-1.050	-.654	-1.008	-.700
.900	-1.405	-.919	-1.368	-.959	-1.324	-1.006
.950	-1.651	-1.125	-1.610	-1.168	-1.562	-1.217
.980	-1.915	-1.308	-1.866	-1.356	-1.809	-1.411
.990	-2.081	-1.402	-2.028	-1.453	-1.964	-1.514

ASYMETRIE = -.80

	INTERVALLE 95		INTERVALLE 90		INTERVALLE 80	
PROBABILITE	.025	.975	.050	.950	.100	.900
.010	1.402	2.081	1.453	2.028	1.514	1.964
.020	1.304	1.915	1.356	1.866	1.411	1.809
.050	1.125	1.651	1.168	1.610	1.217	1.562
.100	.919	1.405	.959	1.368	1.006	1.324
.200	.614	1.086	.654	1.050	.700	1.008
.300	.357	.837	.398	.801	.444	.758
.400	.119	.611	.153	.573	.202	.529
.500	-.144	.388	-.098	.348	-.046	.301
.600	-.422	.153	-.372	.111	-.315	.061
.700	-.750	-.108	-.694	-.155	-.630	-.211
.800	-1.180	-.427	-1.112	-.481	-1.036	-.545
.900	-1.882	-.881	-1.788	-.950	-1.683	-1.031
.950	-2.601	-1.254	-2.465	-1.340	-2.315	-1.443
.980	-3.680	-1.644	-3.446	-1.757	-3.196	-1.896
.990	-4.665	-1.871	-4.307	-2.006	-3.934	-2.174

INTERVALLES DE CONFIANCE POUR LA LOI GAMMA N= 100

ASYMETRIE = .80

	INTERVALLE 95		INTERVALLE 90		INTERVALLE 80	
PROBABILITE	.025	.975	.050	.950	.100	.900
.010	1.956	4.455	2.082	4.145	2.238	3.819
.020	1.716	3.531	1.820	3.328	1.947	3.111
.050	1.309	2.512	1.387	2.393	1.481	2.262
.100	.925	1.820	.988	1.737	1.062	1.644
.200	.462	1.136	.511	1.076	.568	1.008
.300	.139	.713	.181	.663	.231	.606
.400	-.126	.390	-.087	.345	-.042	.295
.500	-.362	.114	-.326	.073	-.284	.027
.600	-.586	-.138	-.552	-.176	-.513	-.220
.700	-.813	-.383	-.781	-.420	-.742	-.461
.800	-1.062	-.640	-1.030	-.676	-.992	-.716
.900	-1.381	-.945	-1.347	-.981	-1.308	-1.022
.950	-1.624	-1.152	-1.587	-1.191	-1.544	-1.235
.980	-1.884	-1.338	-1.840	-1.381	-1.789	-1.431
.990	-2.051	-1.434	-2.001	-1.481	-1.942	-1.536

ASYMETRIE = -.80

	INTERVALLE 95		INTERVALLE 90		INTERVALLE 80	
PROBABILITE	.025	.975	.050	.950	.100	.900
.010	1.434	2.051	1.481	2.001	1.536	1.942
.020	1.338	1.884	1.391	1.840	1.431	1.789
.050	1.152	1.624	1.191	1.587	1.235	1.544
.100	.945	1.381	.981	1.347	1.022	1.308
.200	.640	1.062	.676	1.030	.716	.992
.300	.383	.813	.420	.781	.461	.742
.400	.138	.586	.176	.552	.220	.513
.500	-.114	.362	-.073	.326	-.027	.284
.600	-.390	.126	-.345	.087	-.295	.042
.700	-.713	-.139	-.663	-.181	-.606	-.231
.800	-1.136	-.462	-1.076	-.511	-1.008	-.568
.900	-1.820	-.925	-1.737	-.988	-1.644	-1.062
.950	-2.512	-1.309	-2.393	-1.387	-2.262	-1.481
.980	-3.531	-1.716	-3.328	-1.820	-3.111	-1.947
.990	-4.455	-1.956	-4.145	-2.082	-3.819	-2.238

INTERVALLES DE CONFIANCE POUR LA LOI GAMMA N= 10

ASYMETRIE = .90

PROBABILITE	INTERVALLE 95 .025	INTERVALLE 95 .975	INTERVALLE 90 .050	INTERVALLE 90 .950	INTERVALLE 80 .100	INTERVALLE 80 .900
.067	.370	3.826	.537	3.387	.744	2.927
.100	.218	3.134	.369	2.784	.557	2.413
.200	-.122	2.034	.003	1.800	.156	1.546
.300	-.377	1.435	-.267	1.248	-.133	1.042
.400	-.595	1.011	-.494	.850	-.373	.672
.500	-.795	.671	-.701	.526	-.589	.366
.600	-.989	.375	-.901	.242	-.795	.094
.700	-1.189	.100	-1.105	-.025	-1.005	-.163
.800	-1.412	-.173	-1.332	-.292	-1.235	-.425
.900	-1.697	-.475	-1.620	-.591	-1.526	-.722
.933	-1.821	-.592	-1.747	-.708	-1.653	-.840

ASYMETRIE = -.90

PROBABILITE	INTERVALLE 95 .025	INTERVALLE 95 .975	INTERVALLE 90 .050	INTERVALLE 90 .950	INTERVALLE 80 .100	INTERVALLE 80 .900
.067	.592	1.821	.708	1.747	.840	1.653
.100	.475	1.697	.591	1.620	.722	1.526
.200	.173	1.412	.292	1.332	.425	1.235
.300	-.100	1.189	.025	1.105	.163	1.005
.400	-.375	.989	-.242	.901	-.094	.795
.500	-.671	.795	-.526	.701	-.366	.589
.600	-1.011	.595	-.850	.494	-.672	.373
.700	-1.435	.377	-1.248	.267	-1.042	.133
.800	-2.034	.122	-1.800	-.003	-1.546	-.156
.900	-3.134	-.218	-2.784	-.369	-2.413	-.557
.933	-3.826	-.370	-3.387	-.537	-2.927	-.744

INTERVALLES DE CONFIANCE POUR LA LOI GAMMA N= 20

ASYMETRIE = .90

PROBABILITE	INTERVALLE 95 .025	INTERVALLE 95 .975	INTERVALLE 90 .050	INTERVALLE 90 .950	INTERVALLE 80 .100	INTERVALLE 80 .900
.034	.916	4.248	1.075	3.818	1.273	3.370
.050	.786	3.608	.931	3.265	1.110	2.902
.100	.488	2.560	.608	2.332	.755	2.087
.200	.101	1.633	.199	1.479	.316	1.310
.300	-.179	1.110	-.094	.986	.008	.847
.400	-.414	.731	-.337	.622	-.245	.501
.500	-.627	.419	-.555	.321	-.470	.212
.600	-.831	.144	-.764	.053	-.684	-.048
.700	-1.039	-.116	-.975	-.201	-.899	-.296
.800	-1.269	-.379	-1.207	-.460	-1.134	-.551
.900	-1.565	-.675	-1.503	-.755	-1.429	-.846
.950	-1.786	-.864	-1.723	-.946	-1.648	-1.039
.966	-1.881	-.938	-1.820	-1.022	-1.743	-1.117

ASYMETRIE = -.90

PROBABILITE	INTERVALLE 95 .025	INTERVALLE 95 .975	INTERVALLE 90 .050	INTERVALLE 90 .950	INTERVALLE 80 .100	INTERVALLE 80 .900
.034	.938	1.881	1.022	1.820	1.117	1.743
.050	.864	1.786	.946	1.723	1.039	1.648
.100	.675	1.565	.755	1.503	.846	1.429
.200	.379	1.269	.460	1.207	.551	1.134
.300	.116	1.039	.201	.975	.296	.899
.400	-.144	.831	-.053	.764	.048	.684
.500	-.419	.627	-.321	.555	-.212	.470
.600	-.731	.414	-.622	.337	-.501	.245
.700	-1.110	.179	-.986	.094	-.847	-.008
.800	-1.633	-.101	-1.479	-.199	-1.310	-.316
.900	-2.560	-.488	-2.332	-.608	-2.087	-.755
.950	-3.608	-.786	-3.265	-.931	-2.902	-1.110
.966	-4.248	-.916	-3.818	-1.075	-3.370	-1.273

INTERVALLES DE CONFIANCE POUR LA LOI GAMMA N= 40

ASYMETRIE = .90

	INTERVALLE 95		INTERVALLE 90		INTERVALLE 80	
PROBABILITE	.025	.975	.050	.950	.100	.900
.017	1.435	4.661	1.587	4.240	1.776	3.801
.020	1.391	4.418	1.538	4.030	1.720	3.627
.050	1.047	3.039	1.161	2.818	1.301	2.580
.100	.704	2.166	.797	2.018	.909	1.856
.200	.277	1.361	.351	1.259	.439	1.145
.300	-.025	.890	.039	.805	.114	.711
.400	-.274	.538	-.217	.465	-.149	.382
.500	-.497	.246	-.444	.179	-.381	.104
.600	-.709	-.016	-.659	-.078	-.600	-.147
.700	-.923	-.266	-.875	-.324	-.819	-.390
.800	-1.157	-.522	-1.111	-.578	-1.056	-.641
.900	-1.454	-.815	-1.407	-.871	-1.352	-.934
.950	-1.677	-1.007	-1.628	-1.065	-1.570	-1.130
.980	-1.902	-1.171	-1.851	-1.232	-1.789	-1.303
.983	-1.931	-1.190	-1.880	-1.252	-1.817	-1.324

ASYMETRIE = -.90

	INTERVALLE 95		INTERVALLE 90		INTERVALLE 80	
PROBABILITE	.025	.975	.050	.950	.100	.900
.017	1.190	1.931	1.252	1.880	1.324	1.817
.020	1.171	1.902	1.232	1.851	1.303	1.789
.050	1.007	1.677	1.065	1.628	1.130	1.570
.100	.815	1.454	.871	1.407	.934	1.352
.200	.522	1.157	.578	1.111	.641	1.056
.300	.266	.923	.324	.875	.390	.819
.400	.016	.709	.078	.659	.147	.600
.500	-.246	.497	-.179	.444	-.104	.381
.600	-.538	.274	-.465	.217	-.382	.149
.700	-.890	.025	-.805	-.039	-.711	-.114
.800	-1.361	-.277	-1.259	-.351	-1.145	-.439
.900	-2.166	-.704	-2.018	-.797	-1.856	-.909
.950	-3.039	-1.047	-2.818	-1.161	-2.580	-1.301
.980	-4.418	-1.391	-4.030	-1.538	-3.627	-1.720
.983	-4.661	-1.435	-4.240	-1.587	-3.801	-1.776

INTERVALLES DE CONFIANCE POUR LA LOI GAMMA N= 60

ASYMETRIE = .90

	INTERVALLE 95		INTERVALLE 90		INTERVALLE 80	
PROBABILITE	.025	.975	.050	.950	.100	.900
.012	1.728	4.901	1.876	4.483	2.060	4.050
.020	1.553	4.023	1.683	3.725	1.841	3.410
.050	1.174	2.794	1.273	2.623	1.392	2.438
.100	.808	1.999	.887	1.884	.981	1.756
.200	.360	1.248	.422	1.164	.496	1.073
.300	.047	.795	.101	.727	.164	.652
.400	-.209	.455	-.161	.396	-.104	.330
.500	-.437	.171	-.392	.117	-.340	.057
.600	-.652	-.046	-.611	-.135	-.562	-.191
.700	-.869	-.331	-.829	-.378	-.783	-.431
.800	-1.104	-.584	-1.066	-.629	-1.020	-.680
.900	-1.401	-.877	-1.362	-.922	-1.316	-.973
.950	-1.623	-1.071	-1.581	-1.117	-1.532	-1.171
.980	-1.850	-1.238	-1.805	-1.289	-1.751	-1.347
.988	-1.957	-1.307	-1.910	-1.360	-1.854	-1.421

ASYMETRIE = -.90

	INTERVALLE 95		INTERVALLE 90		INTERVALLE 80	
PROBABILITE	.025	.975	.050	.950	.100	.900
.012	1.307	1.957	1.360	1.910	1.421	1.854
.020	1.238	1.850	1.289	1.805	1.347	1.751
.050	1.071	1.623	1.117	1.581	1.171	1.532
.100	.877	1.401	.922	1.362	.973	1.316
.200	.584	1.104	.629	1.066	.680	1.020
.300	.331	.869	.378	.829	.431	.783
.400	.086	.652	.135	.611	.191	.562
.500	-.171	.437	-.117	.392	-.057	.340
.600	-.455	.209	-.396	.161	-.330	.104
.700	-.795	-.047	-.727	-.101	-.652	-.164
.800	-1.246	-.360	-1.164	-.422	-1.073	-.496
.900	-1.999	-.808	-1.884	-.887	-1.756	-.981
.950	-2.794	-1.174	-2.623	-1.273	-2.438	-1.392
.980	-4.023	-1.553	-3.725	-1.683	-3.410	-1.841
.988	-4.901	-1.728	-4.483	-1.876	-4.050	-2.060

INTERVALLES DE CONFIANCE POUR LA LOI GAMMA N= 80

ASYMETRIE = .90

PROBABILITE	INTERVALLE 95 .025	INTERVALLE 95 .975	INTERVALLE 90 .050	INTERVALLE 90 .950	INTERVALLE 80 .100	INTERVALLE 80 .900
.010	1.891	4.837	2.032	4.454	2.207	4.059
.020	1.657	3.789	1.774	3.542	1.917	3.278
.050	1.254	2.654	1.342	2.511	1.448	2.355
.100	.872	1.903	.942	1.805	1.026	1.697
.200	.411	1.178	.466	1.109	.530	1.031
.300	.091	.739	.138	.682	.194	.617
.400	-.170	.407	-.127	.356	-.077	.299
.500	-.409	.127	-.361	.081	-.315	.029
.600	-.618	-.126	-.581	-.169	-.538	-.217
.700	-.836	-.370	-.801	-.410	-.760	-.456
.800	-1.072	-.621	-1.038	-.660	-.999	-.704
.900	-1.368	-.914	-1.334	-.952	-1.294	-.997
.950	-1.589	-1.109	-1.552	-1.149	-1.509	-1.195
.980	-1.815	-1.279	-1.774	-1.323	-1.726	-1.373
.990	-1.950	-1.365	-1.907	-1.412	-1.855	-1.467

ASYMETRIE = -.90

PROBABILITE	INTERVALLE 95 .025	INTERVALLE 95 .975	INTERVALLE 90 .050	INTERVALLE 90 .950	INTERVALLE 80 .100	INTERVALLE 80 .900
.010	1.365	1.950	1.412	1.907	1.467	1.855
.020	1.279	1.815	1.323	1.774	1.373	1.726
.050	1.109	1.589	1.149	1.552	1.195	1.509
.100	.914	1.368	.952	1.334	.997	1.294
.200	.621	1.072	.660	1.038	.704	.999
.300	.370	.836	.410	.801	.456	.760
.400	.125	.618	.169	.581	.217	.538
.500	-.127	.400	-.081	.361	-.029	.315
.600	-.407	.170	-.356	.127	-.299	.077
.700	-.739	-.091	-.682	-.138	-.617	-.194
.800	-1.178	-.411	-1.109	-.466	-1.031	-.530
.900	-1.903	-.872	-1.805	-.942	-1.697	-1.026
.950	-2.654	-1.254	-2.511	-1.342	-2.355	-1.448
.980	-3.789	-1.657	-3.542	-1.774	-3.278	-1.917
.990	-4.837	-1.891	-4.454	-2.032	-4.059	-2.207

INTERVALLES DE CONFIANCE POUR LA LOI GAMMA N= 100

ASYMETRIE = .90

PROBABILITE	INTERVALLE 95 .025	INTERVALLE 95 .975	INTERVALLE 90 .050	INTERVALLE 90 .950	INTERVALLE 80 .100	INTERVALLE 80 .900
.010	1.979	4.614	2.110	4.282	2.273	3.937
.020	1.739	3.633	1.839	3.419	1.970	3.190
.050	1.310	2.561	1.391	2.436	1.488	2.299
.100	.917	1.839	.991	1.753	1.056	1.657
.200	.446	1.133	.496	1.071	.554	1.002
.300	.121	.701	.164	.650	.214	.593
.400	-.142	.374	-.104	.329	-.059	.278
.500	-.375	.097	-.340	.056	-.298	.010
.600	-.594	-.154	-.561	-.192	-.522	-.235
.700	-.813	-.396	-.782	-.432	-.745	-.472
.800	-1.050	-.646	-1.020	-.681	-.984	-.720
.900	-1.346	-.939	-1.315	-.973	-1.279	-1.012
.950	-1.565	-1.134	-1.532	-1.170	-1.493	-1.211
.980	-1.789	-1.307	-1.752	-1.346	-1.708	-1.391
.990	-1.926	-1.395	-1.885	-1.437	-1.838	-1.486

ASYMETRIE = -.90

PROBABILITE	INTERVALLE 95 .025	INTERVALLE 95 .975	INTERVALLE 90 .050	INTERVALLE 90 .950	INTERVALLE 80 .100	INTERVALLE 80 .900
.010	1.395	1.926	1.437	1.885	1.486	1.838
.020	1.307	1.789	1.346	1.752	1.391	1.708
.050	1.134	1.565	1.170	1.532	1.211	1.493
.100	.939	1.346	.973	1.315	1.012	1.279
.200	.646	1.050	.681	1.020	.720	.984
.300	.396	.813	.432	.782	.472	.745
.400	.154	.594	.192	.561	.235	.522
.500	-.097	.375	-.056	.340	-.010	.298
.600	-.374	.142	-.329	.104	-.278	.059
.700	-.701	-.121	-.650	-.164	-.593	-.214
.800	-1.133	-.446	-1.071	-.496	-1.002	-.554
.900	-1.839	-.917	-1.753	-.981	-1.657	-1.056
.950	-2.561	-1.310	-2.436	-1.391	-2.299	-1.488
.980	-3.633	-1.739	-3.419	-1.839	-3.190	-1.970
.990	-4.614	-1.979	-4.282	-2.110	-3.937	-2.273

INTERVALLES DE CONFIANCE POUR LA LOI GAMMA N= 10

ASYMETRIE = 1.00

	INTERVALLE 95		INTERVALLE 90		INTERVALLE 80	
PROBABILITE	.025	.975	.050	.950	.100	.900
.067	.353	3.937	.522	3.474	.732	2.991
.100	.208	3.208	.353	2.841	.542	2.454
.200	-.138	2.059	-.014	1.816	.139	1.554
.300	-.390	1.440	-.241	1.247	-.149	1.036
.400	-.602	1.005	-.504	.840	-.385	.659
.500	-.795	.658	-.705	.511	-.596	.350
.600	-.979	.358	-.896	.225	-.795	.077
.700	-1.166	.083	-1.089	-.041	-.995	-.179
.800	-1.370	-.189	-1.298	-.306	-1.209	-.436
.900	-1.620	-.485	-1.554	-.598	-1.472	-.724
.933	-1.723	-.599	-1.662	-.712	-1.583	-.838

ASYMETRIE = -1.00

	INTERVALLE 95		INTERVALLE 90		INTERVALLE 80	
PROBABILITE	.025	.975	.050	.950	.100	.900
.067	.599	1.723	.712	1.662	.838	1.583
.100	.485	1.620	.598	1.554	.724	1.472
.200	.189	1.370	.306	1.298	.436	1.209
.300	-.083	1.166	.041	1.089	.179	.995
.400	-.358	.979	-.225	.896	-.077	.795
.500	-.658	.795	-.511	.705	-.350	.596
.600	-1.005	.602	-.840	.504	-.659	.385
.700	-1.440	.390	-1.247	.281	-1.036	.149
.800	-2.059	.138	-1.816	.014	-1.554	-.139
.900	-3.208	-.200	-2.841	-.353	-2.454	-.542
.933	-3.937	-.353	-3.474	-.522	-2.991	-.732

INTERVALLES DE CONFIANCE POUR LA LOI GAMMA N= 20

ASYMETRIE = 1.00

	INTERVALLE 95		INTERVALLE 90		INTERVALLE 80	
PROBABILITE	.025	.975	.050	.950	.100	.900
.034	.906	4.384	1.069	3.929	1.272	3.457
.050	.774	3.709	.922	3.346	1.105	2.965
.100	.472	2.607	.594	2.369	.743	2.114
.200	.084	1.644	.182	1.485	.299	1.310
.300	-.195	1.106	-.111	.979	-.009	.837
.400	-.426	.719	-.350	.608	-.260	.486
.500	-.633	.403	-.564	.305	-.481	.195
.600	-.830	.126	-.765	.036	-.688	-.064
.700	-1.027	-.132	-.967	-.216	-.895	-.310
.800	-1.241	-.391	-1.184	-.471	-1.115	-.560
.900	-1.506	-.680	-1.451	-.757	-1.386	-.843
.950	-1.694	-.861	-1.642	-.939	-1.578	-1.027
.966	-1.772	-.931	-1.722	-1.010	-1.659	-1.100

ASYMETRIE = -1.00

	INTERVALLE 95		INTERVALLE 90		INTERVALLE 80	
PROBABILITE	.025	.975	.050	.950	.100	.900
.034	.931	1.772	1.010	1.722	1.100	1.659
.050	.861	1.694	.939	1.642	1.027	1.578
.100	.680	1.506	.757	1.451	.843	1.386
.200	.391	1.241	.471	1.184	.560	1.115
.300	.132	1.027	.216	.967	.310	.895
.400	-.126	.830	-.036	.765	.064	.688
.500	-.403	.633	-.305	.564	-.195	.481
.600	-.719	.426	-.608	.350	-.496	.260
.700	-1.106	.195	-.979	.111	-.837	.009
.800	-1.644	-.084	-1.485	-.182	-1.310	-.299
.900	-2.607	-.472	-2.369	-.594	-2.114	-.743
.950	-3.709	-.774	-3.346	-.922	-2.965	-1.105
.966	-4.384	-.906	-3.929	-1.069	-3.457	-1.272

INTERVALLES DE CONFIANCE POUR LA LOI GAMMA N= 40

ASYMETRIE = 1.00

	INTERVALLE 95		INTERVALLE 90		INTERVALLE 80	
PROBABILITE	.025	.975	.050	.950	.100	.900
.017	1.439	4.821	1.596	4.376	1.791	3.912
.020	1.394	4.563	1.545	4.153	1.733	3.727
.050	1.040	3.109	1.158	2.876	1.301	2.628
.100	.692	2.197	.786	2.043	.900	1.874
.200	.260	1.363	.334	1.259	.423	1.141
.300	-.042	.850	.022	.795	.097	.699
.400	-.289	.523	-.232	.449	-.165	.366
.500	-.507	.229	-.455	.162	-.394	.087
.600	-.712	-.033	-.664	-.094	-.607	-.163
.700	-.917	-.280	-.872	-.338	-.818	-.402
.800	-1.137	-.531	-1.094	-.585	-1.043	-.647
.900	-1.407	-.815	-1.366	-.867	-1.316	-.927
.950	-1.603	-.997	-1.561	-1.051	-1.511	-1.112
.980	-1.789	-1.150	-1.748	-1.206	-1.697	-1.271
.983	-1.911	-1.167	-1.771	-1.225	-1.720	-1.290

ASYMETRIE = -1.00

	INTERVALLE 95		INTERVALLE 90		INTERVALLE 80	
PROBABILITE	.025	.975	.050	.950	.100	.900
.017	1.167	1.811	1.225	1.771	1.290	1.720
.020	1.150	1.789	1.206	1.748	1.271	1.697
.050	.997	1.603	1.051	1.561	1.112	1.511
.100	.815	1.407	.867	1.366	.927	1.316
.200	.531	1.137	.585	1.094	.647	1.043
.300	.280	.917	.338	.872	.402	.818
.400	.033	.712	.094	.664	.163	.607
.500	-.223	.507	-.162	.455	-.087	.394
.600	-.523	.289	-.449	.232	-.366	.165
.700	-.880	.042	-.795	-.022	-.699	-.097
.800	-1.363	-.260	-1.259	-.334	-1.141	-.423
.900	-2.197	-.692	-2.043	-.786	-1.874	-.900
.950	-3.109	-1.040	-2.876	-1.158	-2.628	-1.301
.980	-4.563	-1.394	-4.153	-1.545	-3.727	-1.733
.983	-4.821	-1.439	-4.376	-1.596	-3.912	-1.791

INTERVALLES DE CONFIANCE POUR LA LOI GAMMA N= 60

ASYMETRIE = 1.00

	INTERVALLE 95		INTERVALLE 90		INTERVALLE 80	
PROBABILITE	.025	.975	.050	.950	.100	.900
.012	1.740	5.078	1.894	4.634	2.085	4.172
.020	1.561	4.148	1.694	3.831	1.859	3.499
.050	1.171	2.853	1.273	2.674	1.395	2.480
.100	.797	2.024	.877	1.903	.974	1.770
.200	.343	1.244	.406	1.161	.480	1.068
.300	.029	.784	.083	.715	.146	.639
.400	-.225	.440	-.177	.380	-.121	.313
.500	-.448	.154	-.405	.100	-.354	.040
.600	-.658	-.102	-.617	-.151	-.570	-.207
.700	-.866	-.345	-.828	-.391	-.783	-.443
.800	-1.093	-.592	-1.052	-.635	-1.009	-.685
.900	-1.360	-.873	-1.325	-.916	-1.283	-.965
.950	-1.556	-1.056	-1.520	-1.100	-1.477	-1.149
.980	-1.747	-1.212	-1.710	-1.258	-1.665	-1.311
.983	-1.830	-1.275	-1.795	-1.323	-1.750	-1.378

ASYMETRIE = -1.00

	INTERVALLE 95		INTERVALLE 90		INTERVALLE 80	
PROBABILITE	.025	.975	.050	.950	.100	.900
.012	1.275	1.830	1.323	1.795	1.378	1.750
.020	1.212	1.747	1.258	1.710	1.311	1.665
.050	1.056	1.556	1.100	1.520	1.149	1.477
.100	.873	1.360	.916	1.325	.965	1.283
.200	.592	1.088	.635	1.052	.685	1.009
.300	.345	.866	.391	.828	.443	.783
.400	.102	.658	.151	.617	.207	.570
.500	-.154	.448	-.100	.405	-.040	.354
.600	-.440	.225	-.380	.177	-.313	.121
.700	-.784	-.029	-.715	-.083	-.639	-.146
.800	-1.244	-.343	-1.161	-.406	-1.068	-.480
.900	-2.024	-.797	-1.903	-.877	-1.770	-.974
.950	-2.853	-1.171	-2.674	-1.273	-2.480	-1.395
.980	-4.148	-1.561	-3.831	-1.694	-3.499	-1.859
.983	-5.078	-1.740	-4.634	-1.894	-4.172	-2.085

INTERVALLES DE CONFIANCE POUR LA LOI GAMMA N= 80

ASYMETRIE = 1.00

	INTERVALLE 95		INTERVALLE 90		INTERVALLE 80	
PROBABILITE	.025	.975	.050	.950	.100	.900
.010	1.909	5.006	2.055	4.605	2.237	4.182
.020	1.668	3.901	1.789	3.638	1.937	3.361
.050	1.252	2.705	1.344	2.557	1.453	2.393
.100	.862	1.924	.934	1.822	1.019	1.709
.200	.395	1.176	.450	1.104	.515	1.025
.300	.073	.727	.121	.669	.176	.603
.400	-.185	.390	-.143	.340	-.094	.282
.500	-.412	.109	-.374	.064	-.329	.012
.600	-.624	-.142	-.589	-.184	-.547	-.232
.700	-.834	-.383	-.801	-.422	-.762	-.467
.800	-1.058	-.628	-1.026	-.665	-.989	-.708
.900	-1.331	-.908	-1.300	-.945	-1.263	-.987
.950	-1.527	-1.092	-1.495	-1.129	-1.457	-1.172
.980	-1.718	-1.289	-1.685	-1.289	-1.644	-1.335
.990	-1.925	-1.328	-1.792	-1.370	-1.751	-1.419

ASYMETRIE = -1.00

	INTERVALLE 95		INTERVALLE 90		INTERVALLE 80	
PROBABILITE	.025	.975	.050	.950	.100	.900
.010	1.328	1.825	1.370	1.792	1.419	1.751
.020	1.249	1.718	1.289	1.685	1.335	1.644
.050	1.092	1.527	1.129	1.495	1.172	1.457
.100	.903	1.331	.945	1.300	.987	1.263
.200	.628	1.058	.665	1.026	.708	.989
.300	.383	.834	.422	.801	.467	.762
.400	.142	.624	.184	.589	.232	.547
.500	-.109	.412	-.064	.374	-.012	.329
.600	-.390	.185	-.340	.143	-.282	.094
.700	-.727	-.073	-.669	-.121	-.603	-.176
.800	-1.176	-.395	-1.104	-.450	-1.025	-.515
.900	-1.924	-.862	-1.822	-.934	-1.709	-1.019
.950	-2.705	-1.252	-2.557	-1.344	-2.393	-1.453
.980	-3.901	-1.668	-3.638	-1.789	-3.361	-1.937
.990	-5.006	-1.909	-4.605	-2.055	-4.182	-2.237

INTERVALLES DE CONFIANCE POUR LA LOI GAMMA N= 100

ASYMETRIE = 1.00

	INTERVALLE 95		INTERVALLE 90		INTERVALLE 80	
PROBABILITE	.025	.975	.050	.950	.100	.900
.010	2.000	4.775	2.137	4.420	2.307	4.054
.020	1.744	3.734	1.856	3.509	1.992	3.267
.050	1.310	2.609	1.394	2.478	1.494	2.335
.100	.908	1.857	.974	1.769	1.051	1.668
.200	.430	1.129	.480	1.067	.539	.995
.300	.104	.689	.147	.638	.197	.579
.400	-.158	.357	-.120	.313	-.075	.261
.500	-.388	.079	-.353	.039	-.312	-.007
.600	-.601	-.170	-.569	-.207	-.532	-.250
.700	-.812	-.408	-.782	-.443	-.747	-.483
.800	-1.037	-.652	-1.006	-.685	-.975	-.723
.900	-1.310	-.932	-1.282	-.965	-1.249	-1.002
.950	-1.506	-1.116	-1.477	-1.149	-1.443	-1.187
.980	-1.697	-1.275	-1.666	-1.311	-1.630	-1.352
.990	-1.907	-1.355	-1.775	-1.393	-1.737	-1.437

ASYMETRIE = -1.00

	INTERVALLE 95		INTERVALLE 90		INTERVALLE 80	
PROBABILITE	.025	.975	.050	.950	.100	.900
.010	1.355	1.807	1.393	1.775	1.437	1.737
.020	1.275	1.697	1.311	1.666	1.352	1.630
.050	1.116	1.506	1.149	1.477	1.187	1.443
.100	.932	1.310	.965	1.282	1.002	1.249
.200	.652	1.037	.685	1.008	.723	.975
.300	.408	.812	.443	.782	.483	.747
.400	.170	.601	.207	.569	.250	.532
.500	-.079	.388	-.039	.353	.007	.312
.600	-.357	.158	-.313	.120	-.261	.075
.700	-.689	-.104	-.638	-.147	-.579	-.197
.800	-1.129	-.439	-1.067	-.480	-.995	-.539
.900	-1.857	-.908	-1.769	-.974	-1.668	-1.051
.950	-2.609	-1.310	-2.478	-1.394	-2.335	-1.494
.980	-3.734	-1.744	-3.509	-1.856	-3.267	-1.992
.990	-4.775	-2.000	-4.420	-2.137	-4.054	-2.307

INTERVALLES DE CONFIANCE POUR LA LOI GAMMA N= 10

ASYMETRIE = 1.10

	INTERVALLE 95		INTERVALLE 90		INTERVALLE 80	
PROBABILITE	.025	.975	.050	.950	.100	.900
.067	.337	4.046	.507	3.560	.720	3.053
.100	.183	3.240	.336	2.896	.527	2.492
.200	-.154	2.082	-.031	1.831	.121	1.561
.300	-.402	1.443	-.295	1.245	-.165	1.029
.400	-.609	.997	-.514	.829	-.397	.645
.500	-.794	.644	-.708	.496	-.603	.333
.600	-.969	.342	-.890	.207	-.794	.059
.700	-1.143	.065	-1.071	-.058	-.983	-.195
.800	-1.328	-.205	-1.263	-.320	-1.182	-.447
.900	-1.545	-.495	-1.489	-.605	-1.418	-.727
.933	-1.629	-.606	-1.579	-.714	-1.513	-.835

ASYMETRIE = -1.10

	INTERVALLE 95		INTERVALLE 90		INTERVALLE 80	
PROBABILITE	.025	.975	.050	.950	.100	.900
.067	.606	1.629	.714	1.579	.835	1.513
.100	.495	1.545	.605	1.489	.727	1.418
.200	.205	1.328	.320	1.263	.447	1.182
.300	-.065	1.143	.058	1.071	.195	.983
.400	-.342	.969	-.207	.890	-.059	.794
.500	-.644	.794	-.496	.708	-.333	.603
.600	-.997	.609	-.829	.514	-.645	.397
.700	-1.443	.402	-1.245	.295	-1.029	.165
.800	-2.082	.154	-1.831	.031	-1.561	-.121
.900	-3.240	-.183	-2.896	-.336	-2.492	-.527
.933	-4.046	-.337	-3.560	-.507	-3.053	-.720

INTERVALLES DE CONFIANCE POUR LA LOI GAMMA N= 20

ASYMETRIE = 1.10

	INTERVALLE 95		INTERVALLE 90		INTERVALLE 80	
PROBABILITE	.025	.975	.050	.950	.100	.900
.034	.898	4.517	1.064	4.038	1.271	3.541
.050	.762	3.804	.913	3.424	1.100	3.025
.100	.457	2.651	.580	2.404	.731	2.139
.200	.067	1.653	.164	1.489	.282	1.310
.300	-.210	1.100	-.127	.970	-.026	.826
.400	-.438	.705	-.363	.594	-.274	.470
.500	-.639	.367	-.571	.268	-.491	.177
.600	-.827	.109	-.766	.019	-.692	-.081
.700	-1.013	-.149	-.957	-.231	-.889	-.324
.800	-1.211	-.404	-1.159	-.481	-1.096	-.568
.900	-1.447	-.684	-1.400	-.758	-1.342	-.840
.950	-1.606	-.857	-1.563	-.931	-1.509	-1.013
.966	-1.667	-.924	-1.628	-.998	-1.577	-1.082

ASYMETRIE = -1.10

	INTERVALLE 95		INTERVALLE 90		INTERVALLE 80	
PROBABILITE	.025	.975	.050	.950	.100	.900
.034	.924	1.667	.998	1.628	1.082	1.577
.050	.857	1.606	.931	1.563	1.013	1.509
.100	.684	1.447	.758	1.400	.840	1.342
.200	.404	1.211	.481	1.159	.568	1.096
.300	.149	1.013	.231	.957	.324	.889
.400	-.109	.827	-.019	.766	.081	.692
.500	-.387	.639	-.288	.571	-.177	.491
.600	-.705	.438	-.594	.363	-.470	.274
.700	-1.100	.210	-.970	.127	-.826	.026
.800	-1.653	-.067	-1.489	-.164	-1.310	-.282
.900	-2.651	-.457	-2.404	-.580	-2.139	-.731
.950	-3.804	-.762	-3.424	-.913	-3.025	-1.100
.966	-4.517	-.898	-4.038	-1.064	-3.541	-1.271

INTERVALLES DE CONFIANCE POUR LA LOI GAMMA N= 60

ASYMETRIE = 1.10

PROBABILITE	INTERVALLE 95 .025	INTERVALLE 95 .975	INTERVALLE 90 .050	INTERVALLE 90 .950	INTERVALLE 80 .100	INTERVALLE 80 .900
.012	1.754	5.248	1.914	4.779	2.111	4.295
.020	1.569	4.265	1.706	3.934	1.876	3.585
.050	1.168	2.907	1.272	2.721	1.397	2.519
.100	.786	2.045	.868	1.920	.966	1.783
.200	.327	1.242	.390	1.157	.465	1.061
.300	.013	.771	.066	.702	.129	.624
.400	-.234	.423	-.192	.363	-.137	.296
.500	-.459	.136	-.416	.083	-.366	.022
.600	-.662	-.119	-.623	-.167	-.577	-.222
.700	-.861	-.358	-.825	-.403	-.783	-.454
.800	-1.070	-.599	-1.037	-.641	-.997	-.689
.900	-1.319	-.869	-1.287	-.909	-1.250	-.955
.950	-1.491	-1.041	-1.460	-1.082	-1.423	-1.128
.980	-1.648	-1.185	-1.619	-1.227	-1.582	-1.275
.988	-1.712	-1.242	-1.685	-1.286	-1.650	-1.335

ASYMETRIE = -1.10

PROBABILITE	INTERVALLE 95 .025	INTERVALLE 95 .975	INTERVALLE 90 .050	INTERVALLE 90 .950	INTERVALLE 80 .100	INTERVALLE 80 .900
.012	1.242	1.712	1.286	1.685	1.335	1.650
.020	1.135	1.648	1.227	1.619	1.275	1.582
.050	1.041	1.491	1.082	1.460	1.128	1.423
.100	.869	1.319	.909	1.287	.955	1.250
.200	.599	1.070	.641	1.037	.689	.997
.300	.358	.861	.403	.825	.454	.783
.400	.119	.662	.167	.623	.222	.577
.500	-.136	.459	-.083	.416	-.022	.366
.600	-.423	.239	-.363	.192	-.296	.137
.700	-.771	-.013	-.702	-.066	-.624	-.129
.800	-1.242	-.327	-1.157	-.390	-1.061	-.465
.900	-2.045	-.786	-1.920	-.868	-1.743	-.966
.950	-2.907	-1.168	-2.721	-1.272	-2.519	-1.397
.980	-4.265	-1.569	-3.934	-1.706	-3.585	-1.876
.988	-5.248	-1.756	-4.779	-1.914	-4.295	-2.111

INTERVALLES DE CONFIANCE POUR LA LOI GAMMA N=N-40.00

ASYMETRIE = -1.10.10

PROBABILITE	INTERVALLE 95 .025	INTERVALLE 95 .975	INTERVALLE 90 .050	INTERVALLE 90 .950	INTERVALLE 80 .100	INTERVALLE 80 .900
.017	1.444	4.979	1.605	4.508	1.806	4.019
.020	1.397	4.705	1.953	4.274	1.746	3.825
.050	1.034	3.175	1.154	2.933	1.301	2.673
.100	.679	2.224	.775	2.065	.890	1.890
.200	.248	1.364	.318	1.256	.407	1.136
.300	-.059	.870	.009	.783	.080	.685
.400	-.303	.508	-.247	.433	-.180	.349
.500	-.516	.211	-.466	.145	-.406	.069
.600	-.715	-.050	-.669	-.111	-.614	-.179
.700	-.910	-.295	-.867	-.351	-.816	-.414
.800	-1.116	-.540	-1.078	-.592	-1.028	-.652
.900	-1.361	-.813	-1.324	-.863	-1.279	-.920
.950	-1.531	-.985	-1.495	-1.036	-1.451	-1.093
.980	-1.680	-1.128	-1.649	-1.180	-1.608	-1.239
.983	-1.697	-1.144	-1.667	-1.197	-1.627	-1.256

ASYMETRIE = -1.10

PROBABILITE	INTERVALLE 95 .025	INTERVALLE 95 .975	INTERVALLE 90 .050	INTERVALLE 90 .950	INTERVALLE 80 .100	INTERVALLE 80 .900
.017	1.144	1.697	1.197	1.667	1.256	1.627
.020	1.123	1.680	1.180	1.649	1.239	1.608
.050	.985	1.531	1.036	1.495	1.093	1.451
.100	.813	1.361	.863	1.324	.920	1.279
.200	.540	1.116	.592	1.076	.652	1.028
.300	.295	.910	.351	.867	.414	.816
.400	.059	.715	.111	.669	.179	.614
.500	-.211	.516	-.145	.466	-.069	.406
.600	-.508	.303	-.433	.247	-.349	.180
.700	-.870	.059	-.743	-.005	-.685	-.080
.800	-1.364	-.243	-1.256	-.318	-1.136	-.407
.900	-2.224	-.679	-2.065	-.775	-1.890	-.890
.950	-3.175	-1.034	-2.933	-1.154	-2.673	-1.301
.980	-4.705	-1.397	-4.274	-1.553	-3.825	-1.746
.983	-4.979	-1.444	-4.508	-1.605	-4.019	-1.806

INTERVALLES DE CONFIANCE POUR LA LOI GAMMA N= 80

ASYMETRIE = 1.10

	INTERVALLE 95		INTERVALLE 90		INTERVALLE 80	
PROBABILITE	.025	.975	.050	.950	.100	.900
.010	1.930	5.175	2.081	4.749	2.269	4.305
.020	1.679	4.004	1.804	3.730	1.957	3.439
.050	1.252	2.753	1.345	2.598	1.457	2.428
.100	.853	1.941	.926	1.837	1.012	1.720
.200	.379	1.171	.434	1.099	.500	1.017
.300	.057	.714	.104	.655	.159	.588
.400	-.200	.374	-.159	.323	-.110	.265
.500	-.424	.092	-.386	.046	-.342	-.005
.600	-.630	-.159	-.596	-.200	-.555	-.247
.700	-.831	-.395	-.800	-.433	-.762	-.477
.800	-1.042	-.634	-1.013	-.670	-.978	-.710
.900	-1.293	-.902	-1.265	-.937	-1.231	-.976
.950	-1.465	-1.074	-1.438	-1.109	-1.405	-1.148
.980	-1.625	-1.219	-1.598	-1.256	-1.565	-1.297
.990	-1.708	-1.290	-1.683	-1.328	-1.651	-1.371

ASYMETRIE = -1.10

	INTERVALLE 95		INTERVALLE 90		INTERVALLE 80	
PROBABILITE	.025	.975	.050	.950	.100	.900
.010	1.290	1.708	1.328	1.683	1.371	1.651
.020	1.219	1.625	1.256	1.598	1.297	1.565
.050	1.074	1.465	1.109	1.438	1.148	1.405
.100	.902	1.293	.937	1.265	.976	1.231
.200	.634	1.042	.670	1.013	.710	.978
.300	.395	.831	.433	.800	.477	.762
.400	.159	.630	.200	.596	.247	.555
.500	-.092	.424	-.046	.386	.005	.342
.600	-.374	.200	-.323	.159	-.265	.110
.700	-.714	-.057	-.655	-.104	-.588	-.159
.800	-1.171	-.379	-1.099	-.434	-1.017	-.500
.900	-1.941	-.853	-1.837	-.926	-1.720	-1.012
.950	-2.753	-1.252	-2.598	-1.345	-2.428	-1.457
.980	-4.004	-1.679	-3.730	-1.804	-3.439	-1.957
.990	-5.175	-1.930	-4.749	-2.081	-4.305	-2.269

INTERVALLES DE CONFIANCE POUR LA LOI GAMMA N= 100

ASYMETRIE = 1.10

	INTERVALLE 95		INTERVALLE 90		INTERVALLE 80	
PROBABILITE	.025	.975	.050	.950	.100	.900
.010	2.025	4.926	2.166	4.555	2.341	4.170
.020	1.757	3.830	1.873	3.594	2.014	3.341
.050	1.311	2.652	1.397	2.516	1.499	2.368
.100	.899	1.872	.966	1.781	1.045	1.678
.200	.415	1.123	.465	1.059	.525	.987
.300	.087	.675	.130	.623	.180	.564
.400	-.173	.340	-.136	.295	-.092	.244
.500	-.399	.062	-.366	.022	-.326	-.024
.600	-.608	-.186	-.577	-.223	-.540	-.265
.700	-.811	-.420	-.782	-.454	-.748	-.493
.800	-1.023	-.657	-.996	-.689	-.965	-.725
.900	-1.274	-.924	-1.249	-.955	-1.219	-.990
.950	-1.447	-1.096	-1.422	-1.127	-1.392	-1.162
.980	-1.608	-1.242	-1.583	-1.275	-1.553	-1.311
.990	-1.694	-1.314	-1.670	-1.348	-1.640	-1.387

ASYMETRIE = -1.10

	INTERVALLE 95		INTERVALLE 90		INTERVALLE 80	
PROBABILITE	.025	.975	.050	.950	.100	.900
.010	1.314	1.694	1.348	1.670	1.387	1.640
.020	1.242	1.608	1.275	1.583	1.311	1.553
.050	1.096	1.447	1.127	1.422	1.162	1.392
.100	.924	1.274	.955	1.249	.990	1.219
.200	.657	1.023	.689	.996	.725	.965
.300	.420	.811	.454	.782	.493	.748
.400	.186	.608	.223	.577	.265	.540
.500	-.062	.399	-.022	.366	.024	.326
.600	-.340	.173	-.295	.136	-.244	.092
.700	-.675	-.087	-.623	-.130	-.564	-.180
.800	-1.123	-.415	-1.059	-.465	-.987	-.525
.900	-1.872	-.899	-1.781	-.966	-1.678	-1.045
.950	-2.652	-1.311	-2.516	-1.397	-2.368	-1.499
.980	-3.830	-1.757	-3.594	-1.873	-3.341	-2.014
.990	-4.926	-2.025	-4.555	-2.166	-4.170	-2.341

INTERVALLES DE CONFIANCE POUR LA LOI GAMMA N= 10

ASYMETRIE = 1.20

	INTERVALLE 95		INTERVALLE 90		INTERVALLE 80	
PROBABILITE	.025	.975	.050	.950	.100	.900
.067	.320	4.155	.491	3.644	.707	3.115
.100	.166	3.352	.319	2.951	.511	2.530
.200	-.170	2.105	-.048	1.845	.104	1.566
.300	-.414	1.445	-.309	1.242	-.180	1.022
.400	-.615	.988	-.522	.817	-.409	.631
.500	-.792	.630	-.710	.480	-.609	.316
.600	-.957	.325	-.884	.190	-.793	.042
.700	-1.119	.048	-1.053	-.075	-.971	-.210
.800	-1.286	-.220	-1.228	-.333	-1.155	-.458
.900	-1.472	-.505	-1.425	-.611	-1.364	-.728
.933	-1.539	-.612	-1.500	-.716	-1.445	-.831

ASYMETRIE = -1.20

	INTERVALLE 95		INTERVALLE 90		INTERVALLE 80	
PROBABILITE	.025	.975	.050	.950	.100	.900
.067	.612	1.539	.716	1.500	.831	1.445
.100	.505	1.472	.611	1.425	.728	1.364
.200	.220	1.286	.333	1.228	.458	1.155
.300	-.048	1.119	.075	1.053	.210	.971
.400	-.325	.957	-.190	.884	-.042	.793
.500	-.630	.792	-.480	.710	-.316	.609
.600	-.988	.615	-.817	.522	-.631	.409
.700	-1.445	.414	-1.242	.309	-1.022	.180
.800	-2.105	.170	-1.845	.048	-1.566	-.104
.900	-3.352	-.166	-2.951	-.319	-2.530	-.511
.933	-4.155	-.320	-3.644	-.491	-3.115	-.707

INTERVALLES DE CONFIANCE POUR LA LOI GAMMA N= 20

ASYMETRIE = 1.20

	INTERVALLE 95		INTERVALLE 90		INTERVALLE 80	
PROBABILITE	.025	.975	.050	.950	.100	.900
.034	.888	4.650	1.057	4.146	1.269	3.625
.050	.750	3.901	.903	3.502	1.094	3.086
.100	.440	2.695	.565	2.439	.718	2.164
.200	.050	1.661	.147	1.492	.265	1.309
.300	-.225	1.094	-.143	.961	-.043	.815
.400	-.449	.692	-.376	.579	-.288	.454
.500	-.643	.370	-.579	.270	-.500	.160
.600	-.824	.091	-.765	.002	-.695	-.093
.700	-.999	-.164	-.946	-.246	-.882	-.337
.800	-1.181	-.415	-1.133	-.491	-1.076	-.575
.900	-1.390	-.687	-1.349	-.758	-1.298	-.836
.950	-1.521	-.852	-1.487	-.922	-1.442	-.999
.966	-1.569	-.915	-1.539	-.985	-1.498	-1.062

ASYMETRIE = -1.20

	INTERVALLE 95		INTERVALLE 90		INTERVALLE 80	
PROBABILITE	.025	.975	.050	.950	.100	.900
.034	.915	1.569	.985	1.539	1.062	1.498
.050	.852	1.521	.922	1.487	.999	1.442
.100	.687	1.390	.758	1.349	.836	1.298
.200	.415	1.181	.491	1.133	.575	1.076
.300	.164	.999	.246	.946	.337	.882
.400	-.091	.824	-.002	.765	.098	.695
.500	-.370	.643	-.270	.579	-.160	.500
.600	-.692	.448	-.579	.376	-.454	.288
.700	-1.094	.225	-.961	.143	-.815	.043
.800	-1.661	-.050	-1.492	-.147	-1.309	-.265
.900	-2.695	-.440	-2.439	-.565	-2.164	-.718
.950	-3.901	-.750	-3.502	-.903	-3.086	-1.094
.966	-4.650	-.888	-4.146	-1.057	-3.625	-1.269

INTERVALLES DE CONFIANCE POUR LA LOI GAMMA N= 40

ASYMETRIE = 1.20

	INTERVALLE 95		INTERVALLE 90		INTERVALLE 80	
PROBABILITE	.025	.975	.050	.950	.100	.900
.012	1.446	5.140	1.612	4.641	1.819	4.127
.020	1.398	4.851	1.558	4.395	1.758	3.922
.050	1.026	3.242	1.149	2.989	1.300	2.719
.100	.665	2.252	.762	2.087	.880	1.906
.200	.226	1.365	.301	1.254	.390	1.131
.300	-.075	.859	-.012	.770	.063	.672
.400	-.316	.492	-.261	.417	-.196	.332
.500	-.525	.194	-.476	.127	-.417	.052
.600	-.717	-.067	-.672	-.127	-.619	-.195
.700	-.902	-.309	-.862	-.364	-.814	-.426
.800	-1.094	-.548	-1.057	-.599	-1.013	-.656
.900	-1.315	-.810	-1.252	-.858	-1.242	-.912
.950	-1.469	-.973	-1.430	-1.020	-1.393	-1.073
.980	-1.579	-1.105	-1.554	-1.153	-1.523	-1.206
.988	-1.591	-1.120	-1.568	-1.168	-1.537	-1.222

ASYMETRIE = -1.20

	INTERVALLE 95		INTERVALLE 90		INTERVALLE 80	
PROBABILITE	.025	.975	.050	.950	.100	.900
.012	1.120	1.591	1.168	1.568	1.222	1.537
.020	1.105	1.579	1.153	1.554	1.206	1.523
.050	.973	1.469	1.020	1.430	1.073	1.393
.100	.810	1.315	.858	1.282	.912	1.242
.200	.548	1.094	.599	1.057	.656	1.013
.300	.309	.902	.364	.862	.426	.814
.400	.067	.717	.127	.672	.195	.619
.500	-.194	.525	-.127	.476	-.052	.417
.600	-.492	.316	-.417	.261	-.332	.196
.700	-.859	.075	-.770	.012	-.672	-.063
.800	-1.365	-.226	-1.254	-.301	-1.131	-.390
.900	-2.252	-.665	-2.087	-.762	-1.906	-.880
.950	-3.242	-1.026	-2.989	-1.149	-2.719	-1.300
.980	-4.851	-1.398	-4.395	-1.558	-3.922	-1.758
.988	-5.140	-1.446	-4.641	-1.612	-4.127	-1.819

INTERVALLES DE CONFIANCE POUR LA LOI GAMMA N= 60

ASYMETRIE = 1.20

	INTERVALLE 95		INTERVALLE 90		INTERVALLE 80	
PROBABILITE	.025	.975	.050	.950	.100	.900
.012	1.766	5.422	1.930	4.926	2.135	4.417
.020	1.575	4.387	1.716	4.038	1.891	3.671
.050	1.163	2.962	1.269	2.769	1.398	2.558
.100	.774	2.066	.857	1.938	.957	1.795
.200	.310	1.239	.373	1.152	.449	1.054
.300	-.004	.759	.049	.689	.112	.610
.400	-.254	.407	-.208	.347	-.153	.279
.500	-.469	.119	-.428	.065	-.379	.005
.600	-.666	-.135	-.629	-.183	-.584	-.237
.700	-.856	-.371	-.822	-.415	-.782	-.464
.800	-1.052	-.605	-1.021	-.646	-.984	-.691
.900	-1.278	-.863	-1.249	-.902	-1.216	-.944
.950	-1.427	-1.025	-1.400	-1.062	-1.368	-1.105
.980	-1.554	-1.157	-1.531	-1.196	-1.502	-1.239
.988	-1.602	-1.209	-1.582	-1.248	-1.556	-1.292

ASYMETRIE = -1.20

	INTERVALLE 95		INTERVALLE 90		INTERVALLE 80	
PROBABILITE	.025	.975	.050	.950	.100	.900
.012	1.209	1.602	1.248	1.582	1.292	1.556
.020	1.157	1.554	1.196	1.531	1.239	1.502
.050	1.025	1.427	1.062	1.400	1.105	1.368
.100	.863	1.278	.902	1.249	.944	1.216
.200	.605	1.052	.646	1.021	.691	.984
.300	.371	.856	.415	.822	.464	.782
.400	.135	.666	.183	.629	.237	.584
.500	-.119	.469	-.065	.428	-.005	.379
.600	-.407	.254	-.347	.208	-.279	.153
.700	-.759	.004	-.689	-.049	-.610	-.112
.800	-1.239	-.310	-1.152	-.373	-1.054	-.449
.900	-2.066	-.774	-1.938	-.857	-1.795	-.957
.950	-2.962	-1.163	-2.769	-1.269	-2.558	-1.398
.980	-4.387	-1.575	-4.038	-1.716	-3.671	-1.891
.988	-5.422	-1.766	-4.926	-1.930	-4.417	-2.135

INTERVALLES DE CONFIANCE POUR LA LOI GAMMA N= 80

ASYMETRIE = 1.20

	INTERVALLE 95		INTERVALLE 90		INTERVALLE 80	
PROBABILITE	.025	.975	.050	.950	.100	.900
.010	1.947	5.349	2.103	4.896	2.298	4.428
.020	1.688	4.113	1.817	3.824	1.975	3.519
.050	1.249	2.603	1.344	2.641	1.460	2.464
.100	.942	1.959	.916	1.851	1.004	1.731
.200	.362	1.167	.418	1.092	.484	1.009
.300	.039	.701	.086	.641	.142	.573
.400	-.216	.357	-.175	.306	-.126	.248
.500	-.435	.074	-.398	.029	-.355	-.022
.600	-.635	-.174	-.602	-.215	-.563	-.262
.700	-.828	-.407	-.798	-.444	-.762	-.487
.800	-1.026	-.638	-.998	-.673	-.966	-.712
.900	-1.254	-.895	-1.229	-.927	-1.199	-.964
.950	-1.405	-1.055	-1.381	-1.087	-1.353	-1.124
.980	-1.536	-1.188	-1.515	-1.221	-1.488	-1.258
.990	-1.599	-1.252	-1.581	-1.286	-1.556	-1.324

ASYMETRIE = -1.20

	INTERVALLE 95		INTERVALLE 90		INTERVALLE 80	
PROBABILITE	.025	.975	.050	.950	.100	.900
.010	1.252	1.599	1.286	1.581	1.324	1.556
.020	1.189	1.536	1.221	1.515	1.258	1.488
.050	1.065	1.405	1.087	1.381	1.124	1.353
.100	.835	1.254	.927	1.229	.964	1.199
.200	.638	1.026	.673	.998	.712	.966
.300	.407	.828	.444	.798	.487	.762
.400	.174	.635	.215	.602	.262	.563
.500	-.074	.435	-.029	.398	.022	.355
.600	-.357	.216	-.306	.175	-.248	.126
.700	-.701	-.039	-.641	-.086	-.573	-.142
.800	-1.167	-.362	-1.092	-.418	-1.009	-.484
.900	-1.959	-.842	-1.851	-.916	-1.731	-1.004
.950	-2.603	-1.249	-2.641	-1.344	-2.464	-1.460
.980	-4.113	-1.688	-3.824	-1.817	-3.519	-1.975
.990	-5.349	-1.947	-4.896	-2.103	-4.428	-2.298

INTERVALLES DE CONFIANCE POUR LA LOI GAMMA N= 100

ASYMETRIE = 1.20

	INTERVALLE 95		INTERVALLE 90		INTERVALLE 80	
PROBABILITE	.025	.975	.050	.950	.100	.900
.010	2.045	5.081	2.191	4.690	2.373	4.285
.020	1.769	3.928	1.888	3.681	2.034	3.416
.050	1.310	2.696	1.397	2.556	1.503	2.401
.100	.989	1.888	.957	1.793	1.037	1.687
.200	.398	1.118	.449	1.052	.509	.979
.300	.070	.661	.112	.609	.162	.549
.400	-.189	.323	-.152	.278	-.108	.226
.500	-.411	.045	-.378	.004	-.339	-.041
.600	-.614	-.201	-.584	-.238	-.548	-.279
.700	-.808	-.431	-.781	-.465	-.749	-.502
.800	-1.008	-.661	-.983	-.692	-.953	-.727
.900	-1.238	-.916	-1.215	-.945	-1.188	-.977
.950	-1.390	-1.076	-1.368	-1.104	-1.342	-1.137
.980	-1.523	-1.209	-1.503	-1.238	-1.478	-1.271
.990	-1.599	-1.273	-1.571	-1.303	-1.548	-1.337

ASYMETRIE = -1.20

	INTERVALLE 95		INTERVALLE 90		INTERVALLE 80	
PROBABILITE	.025	.975	.050	.950	.100	.900
.010	1.273	1.589	1.303	1.571	1.337	1.548
.020	1.209	1.523	1.238	1.503	1.271	1.478
.050	1.076	1.390	1.104	1.368	1.137	1.342
.100	.916	1.238	.945	1.215	.977	1.188
.200	.661	1.008	.692	.983	.727	.953
.300	.431	.808	.465	.781	.502	.749
.400	.201	.614	.238	.584	.279	.548
.500	-.045	.411	-.004	.378	.041	.339
.600	-.323	.189	-.278	.152	-.226	.108
.700	-.661	-.070	-.609	-.112	-.549	-.162
.800	-1.118	-.398	-1.052	-.449	-.979	-.509
.900	-1.888	-.889	-1.793	-.957	-1.687	-1.037
.950	-2.696	-1.310	-2.556	-1.397	-2.401	-1.503
.980	-3.928	-1.769	-3.681	-1.888	-3.416	-2.034
.990	-5.081	-2.045	-4.690	-2.191	-4.285	-2.373

INTERVALLES DE CONFIANCE POUR LA LOI GAMMA N= 10

ASYMETRIE = 1.30

	INTERVALLE 95		INTERVALLE 90		INTERVALLE 80	
PROBABILITE	.025	.975	.050	.950	.100	.900
.067	.302	4.262	.475	3.728	.693	3.175
.100	.148	3.422	.302	3.004	.495	2.567
.200	-.186	2.126	-.064	1.858	.086	1.571
.300	-.425	1.446	-.322	1.238	-.196	1.013
.400	-.620	.979	-.531	.805	-.420	.616
.500	-.790	.615	-.711	.464	-.614	.298
.600	-.945	.307	-.876	.172	-.790	.025
.700	-1.094	.031	-1.034	-.092	-.958	-.225
.800	-1.243	-.235	-1.192	-.346	-1.127	-.468
.900	-1.401	-.513	-1.363	-.616	-1.311	-.728
.933	-1.454	-.617	-1.423	-.717	-1.379	-.827

ASYMETRIE = -1.30

	INTERVALLE 95		INTERVALLE 90		INTERVALLE 80	
PROBABILITE	.025	.975	.050	.950	.100	.900
.067	.617	1.454	.717	1.423	.827	1.379
.100	.513	1.401	.616	1.363	.728	1.311
.200	.235	1.243	.346	1.192	.468	1.127
.300	-.031	1.094	.092	1.034	.225	.958
.400	-.307	.945	-.172	.876	-.025	.790
.500	-.615	.790	-.464	.711	-.298	.614
.600	-.979	.620	-.805	.531	-.616	.420
.700	-1.446	.425	-1.238	.322	-1.013	.196
.800	-2.126	.186	-1.858	.064	-1.571	-.086
.900	-3.422	-.148	-3.004	-.302	-2.567	-.495
.933	-4.262	-.302	-3.728	-.475	-3.175	-.693

INTERVALLES DE CONFIANCE POUR LA LOI GAMMA N= 20

ASYMETRIE = 1.30

	INTERVALLE 95		INTERVALLE 90		INTERVALLE 80	
PROBABILITE	.025	.975	.050	.950	.100	.900
.034	.876	4.786	1.049	4.253	1.266	3.707
.050	.737	3.998	.893	3.581	1.087	3.145
.100	.424	2.739	.549	2.472	.704	2.187
.200	.032	1.668	.129	1.495	.247	1.306
.300	-.240	1.087	-.159	.952	-.060	.802
.400	-.459	.678	-.388	.564	-.302	.438
.500	-.647	.353	-.585	.253	-.509	.142
.600	-.820	.074	-.764	-.015	-.697	-.114
.700	-.984	-.180	-.935	-.261	-.875	-.350
.800	-1.150	-.426	-1.107	-.500	-1.054	-.581
.900	-1.333	-.689	-1.298	-.757	-1.254	-.832
.950	-1.440	-.846	-1.413	-.912	-1.376	-.984
.966	-1.476	-.906	-1.454	-.971	-1.422	-1.042

ASYMETRIE = -1.30

	INTERVALLE 95		INTERVALLE 90		INTERVALLE 80	
PROBABILITE	.025	.975	.050	.950	.100	.900
.034	.906	1.476	.971	1.454	1.042	1.422
.050	.846	1.440	.912	1.413	.984	1.376
.100	.689	1.333	.757	1.298	.832	1.254
.200	.426	1.150	.500	1.107	.581	1.054
.300	.180	.984	.261	.935	.350	.875
.400	-.074	.820	.015	.764	.114	.697
.500	-.353	.647	-.253	.585	-.142	.509
.600	-.678	.459	-.564	.388	-.438	.302
.700	-1.087	.240	-.952	.159	-.802	.060
.800	-1.668	-.032	-1.495	-.129	-1.306	-.247
.900	-2.739	-.424	-2.472	-.549	-2.187	-.704
.950	-3.998	-.737	-3.581	-.893	-3.145	-1.087
.966	-4.786	-.876	-4.253	-1.049	-3.707	-1.266

INTERVALLES DE CONFIANCE POUR LA LOI GAMMA N= 40

ASYMETRIE = 1.30

	INTERVALLE 95		INTERVALLE 90		INTERVALLE 80	
PROBABILITE	.025	.975	.050	.950	.100	.900
.017	1.447	5.296	1.617	4.775	1.831	4.233
.020	1.394	4.999	1.562	4.516	1.767	4.019
.050	1.018	3.309	1.143	3.045	1.297	2.763
.100	.651	2.279	.749	2.107	.869	1.921
.200	.209	1.364	.243	1.250	.373	1.125
.300	-.092	.848	-.030	.758	.045	.657
.400	-.330	.476	-.275	.400	-.211	.315
.500	-.533	.176	-.485	.109	-.428	.035
.600	-.718	-.083	-.675	-.143	-.624	-.210
.700	-.894	-.322	-.855	-.376	-.810	-.436
.800	-1.071	-.555	-1.037	-.605	-.997	-.660
.900	-1.269	-.807	-1.240	-.852	-1.205	-.902
.950	-1.391	-.960	-1.367	-1.003	-1.336	-1.052
.980	-1.483	-1.081	-1.466	-1.125	-1.441	-1.173
.983	-1.492	-1.095	-1.476	-1.138	-1.453	-1.187

ASYMETRIE = -1.30

	INTERVALLE 95		INTERVALLE 90		INTERVALLE 80	
PROBABILITE	.025	.975	.050	.950	.100	.900
.017	1.095	1.492	1.138	1.476	1.187	1.453
.020	1.081	1.483	1.125	1.466	1.173	1.441
.050	.940	1.391	1.003	1.367	1.052	1.336
.100	.807	1.269	.852	1.240	.902	1.205
.200	.555	1.071	.605	1.037	.660	.997
.300	.322	.894	.376	.855	.436	.810
.400	.083	.718	.143	.675	.210	.624
.500	-.176	.533	-.109	.485	-.035	.428
.600	-.476	.330	-.400	.275	-.315	.211
.700	-.848	.092	-.758	.030	-.657	-.045
.800	-1.364	-.208	-1.250	-.283	-1.125	-.373
.900	-2.279	-.851	-2.107	-.749	-1.921	-.869
.950	-3.309	-1.018	-3.045	-1.143	-2.763	-1.297
.980	-4.999	-1.398	-4.516	-1.562	-4.019	-1.767
.983	-5.296	-1.447	-4.775	-1.617	-4.233	-1.831

INTERVALLES DE CONFIANCE POUR LA LOI GAMMA N= 60

ASYMETRIE = 1.30

	INTERVALLE 95		INTERVALLE 90		INTERVALLE 80	
PROBABILITE	.025	.975	.050	.950	.100	.900
.012	1.776	5.594	1.945	5.073	2.156	4.537
.020	1.580	4.589	1.725	4.140	1.905	3.757
.050	1.157	3.017	1.266	2.815	1.398	2.596
.100	.761	2.087	.845	1.953	.947	1.807
.200	.293	1.236	.356	1.146	.432	1.046
.300	-.022	.746	.031	.675	.094	.595
.400	-.263	.390	-.223	.329	-.168	.261
.500	-.479	.101	-.439	.048	-.391	-.012
.600	-.669	-.151	-.633	-.198	-.590	-.252
.700	-.850	-.383	-.818	-.426	-.780	-.474
.800	-1.033	-.610	-1.004	-.650	-.970	-.694
.900	-1.236	-.857	-1.211	-.893	-1.181	-.933
.950	-1.364	-1.002	-1.342	-1.042	-1.315	-1.081
.980	-1.465	-1.129	-1.448	-1.163	-1.425	-1.202
.988	-1.500	-1.175	-1.486	-1.210	-1.467	-1.249

ASYMETRIE = -1.30

	INTERVALLE 95		INTERVALLE 90		INTERVALLE 80	
PROBABILITE	.025	.975	.050	.950	.100	.900
.012	1.175	1.500	1.210	1.486	1.249	1.467
.020	1.129	1.465	1.163	1.448	1.202	1.425
.050	1.008	1.364	1.042	1.342	1.081	1.315
.100	.857	1.236	.893	1.211	.933	1.181
.200	.610	1.033	.650	1.004	.694	.970
.300	.383	.850	.426	.818	.474	.780
.400	.151	.669	.198	.633	.252	.590
.500	-.101	.479	-.048	.439	.012	.391
.600	-.330	.266	-.329	.223	-.261	.168
.700	-.746	.022	-.675	-.031	-.595	-.094
.800	-1.236	-.293	-1.146	-.356	-1.046	-.432
.900	-2.087	-.761	-1.953	-.845	-1.807	-.947
.950	-3.017	-1.157	-2.815	-1.266	-2.596	-1.398
.980	-4.509	-1.580	-4.140	-1.725	-3.757	-1.905
.988	-5.594	-1.776	-5.073	-1.945	-4.537	-2.156

INTERVALLES DE CONFIANCE POUR LA LOI GAMMA N= 80

ASYMETRIE = 1.30

	INTERVALLE 95		INTERVALLE 90		INTERVALLE 80	
PROBABILITE	.025	.975	.050	.950	.100	.900
.010	1.963	5.523	2.124	5.044	2.326	4.548
.020	1.696	4.222	1.828	3.917	1.992	3.597
.050	1.245	2.851	1.343	2.682	1.461	2.499
.100	.830	1.976	.905	1.864	.995	1.740
.200	.345	1.161	.401	1.085	.468	1.000
.300	.022	.647	.069	.626	.124	.558
.400	-.231	.340	-.190	.288	-.142	.230
.500	-.446	.057	-.410	.012	-.368	-.039
.600	-.640	-.190	-.608	-.230	-.570	-.276
.700	-.824	-.418	-.795	-.455	-.761	-.496
.800	-1.004	-.643	-.983	-.676	-.953	-.714
.900	-1.214	-.886	-1.193	-.917	-1.167	-.951
.950	-1.346	-1.036	-1.326	-1.065	-1.302	-1.098
.980	-1.452	-1.157	-1.435	-1.186	-1.414	-1.219
.990	-1.498	-1.214	-1.485	-1.243	-1.467	-1.277

ASYMETRIE = -1.30

	INTERVALLE 95		INTERVALLE 90		INTERVALLE 80	
PROBABILITE	.025	.975	.050	.950	.100	.900
.010	1.214	1.498	1.243	1.485	1.277	1.467
.020	1.157	1.452	1.196	1.435	1.219	1.414
.050	1.036	1.346	1.065	1.326	1.098	1.302
.100	.886	1.214	.917	1.193	.951	1.167
.200	.643	1.009	.676	.983	.714	.953
.300	.418	.824	.455	.795	.496	.761
.400	.190	.640	.230	.608	.276	.570
.500	-.057	.446	-.012	.410	.039	.368
.600	-.340	.231	-.248	.190	-.230	.142
.700	-.647	-.022	-.626	-.069	-.558	-.124
.800	-1.151	-.345	-1.085	-.404	-1.000	-.468
.900	-1.976	-.830	-1.864	-.905	-1.740	-.995
.950	-2.851	-1.245	-2.682	-1.343	-2.499	-1.461
.980	-4.222	-1.696	-3.917	-1.828	-3.597	-1.992
.990	-5.523	-1.963	-5.044	-2.124	-4.548	-2.326

INTERVALLES DE CONFIANCE POUR LA LOI GAMMA N= 100

ASYMETRIE = 1.30

	INTERVALLE 95		INTERVALLE 90		INTERVALLE 80	
PROBABILITE	.025	.975	.050	.950	.100	.900
.010	2.064	5.246	2.215	4.831	2.403	4.399
.020	1.779	4.027	1.902	3.768	2.053	3.490
.050	1.307	2.741	1.397	2.594	1.506	2.433
.100	.873	1.902	.947	1.804	1.029	1.695
.200	.391	1.111	.433	1.045	.493	.969
.300	.052	.647	.095	.593	.145	.533
.400	-.204	.306	-.168	.260	-.125	.209
.500	-.422	.027	-.390	-.013	-.352	-.058
.600	-.619	-.216	-.590	-.252	-.556	-.293
.700	-.805	-.442	-.779	-.474	-.748	-.511
.800	-.992	-.664	-.969	-.694	-.941	-.727
.900	-1.201	-.906	-1.181	-.933	-1.156	-.964
.950	-1.333	-1.055	-1.315	-1.081	-1.292	-1.110
.980	-1.441	-1.176	-1.426	-1.201	-1.406	-1.230
.990	-1.491	-1.233	-1.478	-1.259	-1.460	-1.288

ASYMETRIE = -1.30

	INTERVALLE 95		INTERVALLE 90		INTERVALLE 80	
PROBABILITE	.025	.975	.050	.950	.100	.900
.010	1.233	1.491	1.259	1.478	1.288	1.460
.020	1.176	1.441	1.201	1.426	1.230	1.406
.050	1.055	1.333	1.081	1.315	1.110	1.292
.100	.906	1.201	.933	1.181	.964	1.156
.200	.664	.992	.694	.969	.727	.941
.300	.442	.805	.474	.779	.511	.748
.400	.216	.619	.252	.590	.293	.556
.500	-.027	.422	.013	.390	.058	.352
.600	-.306	.204	-.260	.168	-.209	.125
.700	-.647	-.052	-.593	-.095	-.533	-.145
.800	-1.111	-.381	-1.045	-.433	-.969	-.493
.900	-1.992	-.878	-1.804	-.947	-1.695	-1.029
.950	-2.741	-1.307	-2.594	-1.397	-2.433	-1.506
.980	-4.027	-1.779	-3.768	-1.902	-3.490	-2.053
.990	-5.246	-2.064	-4.831	-2.215	-4.399	-2.403

INTERVALLES DE CONFIANCE POUR LA LOI GAMMA N= 10

ASYMETRIE = 1.40

	INTERVALLE 95		INTERVALLE 90		INTERVALLE 80	
PROBABILITE	.025	.975	.050	.950	.100	.900
.067	.285	4.370	.458	3.810	.679	3.234
.100	.131	3.491	.284	3.056	.479	2.602
.200	-.201	2.146	-.091	1.869	.069	1.574
.300	-.435	1.446	-.335	1.233	-.211	1.004
.400	-.624	.969	-.538	.792	-.431	.601
.500	-.786	.600	-.712	.447	-.619	.281
.600	-.932	.290	-.868	.155	-.786	.007
.700	-1.069	.013	-1.014	-.108	-.944	-.240
.800	-1.201	-.249	-1.156	-.359	-1.098	-.478
.900	-1.333	-.522	-1.302	-.621	-1.259	-.728
.933	-1.374	-.621	-1.350	-.717	-1.316	-.821

ASYMETRIE = -1.40

	INTERVALLE 95		INTERVALLE 90		INTERVALLE 80	
PROBABILITE	.025	.975	.050	.950	.100	.900
.067	.621	1.374	.717	1.350	.821	1.316
.100	.522	1.333	.621	1.302	.728	1.259
.200	.249	1.201	.359	1.156	.478	1.098
.300	-.013	1.069	.108	1.014	.240	.944
.400	-.290	.932	-.155	.868	-.007	.786
.500	-.600	.786	-.447	.712	-.281	.619
.600	-.969	.624	-.792	.538	-.601	.431
.700	-1.445	.436	-1.233	.335	-1.004	.211
.800	-2.146	.291	-1.869	.081	-1.574	-.069
.900	-3.491	-.131	-3.056	-.284	-2.602	-.479
.933	-4.370	-.285	-3.810	-.458	-3.234	-.679

INTERVALLES DE CONFIANCE POUR LA LOI GAMMA N= 20

ASYMETRIE = 1.40

	INTERVALLE 95		INTERVALLE 90		INTERVALLE 80	
PROBABILITE	.025	.975	.050	.950	.100	.900
.034	.865	4.913	1.040	4.359	1.262	3.789
.050	.723	4.091	.881	3.656	1.079	3.202
.100	.407	2.780	.533	2.504	.690	2.209
.200	.015	1.674	.112	1.496	.230	1.303
.300	-.255	1.079	-.174	.941	-.077	.789
.400	-.468	.663	-.399	.548	-.316	.421
.500	-.651	.335	-.591	.235	-.517	.125
.600	-.814	.056	-.762	-.032	-.698	-.130
.700	-.968	-.195	-.922	-.275	-.866	-.363
.800	-1.119	-.437	-1.080	-.508	-1.033	-.587
.900	-1.277	-.690	-1.248	-.755	-1.210	-.826
.950	-1.363	-.840	-1.342	-.901	-1.313	-.968
.966	-1.390	-.895	-1.374	-.956	-1.349	-1.022

ASYMETRIE = -1.40

	INTERVALLE 95		INTERVALLE 90		INTERVALLE 80	
PROBABILITE	.025	.975	.050	.950	.100	.900
.034	.895	1.390	.956	1.374	1.022	1.349
.050	.840	1.363	.901	1.342	.968	1.313
.100	.690	1.277	.755	1.248	.826	1.210
.200	.437	1.119	.508	1.080	.587	1.033
.300	.195	.968	.275	.922	.363	.866
.400	-.056	.814	.032	.762	.130	.698
.500	-.335	.651	-.235	.591	-.125	.517
.600	-.663	.468	-.548	.399	-.421	.316
.700	-1.079	.255	-.941	.174	-.789	.077
.800	-1.674	-.015	-1.496	-.112	-1.303	-.230
.900	-2.780	-.407	-2.504	-.533	-2.209	-.690
.950	-4.091	-.723	-3.656	-.881	-3.202	-1.079
.966	-4.913	-.865	-4.359	-1.040	-3.789	-1.262

INTERVALLES DE CONFIANCE POUR LA LOI GAMMA

ASYMETRIE = 1.40

PROBABILITE	INTERVALLE 95 .025	INTERVALLE 95 .975	INTERVALLE 90 .050	INTERVALLE 90 .950	INTERVALLE 80 .100	INTERVALLE 80 .900
.017	1.448	5.454	1.622	4.903	1.842	4.337
.020	1.393	5.137	1.566	4.633	1.777	4.115
.050	1.009	3.372	1.137	3.097	1.294	2.805
.100	.636	2.303	.736	2.126	.857	1.934
.200	.191	1.362	.266	1.246	.356	1.117
.300	-.104	.835	-.046	.744	.028	.643
.400	-.342	.459	-.289	.383	-.226	.297
.500	-.541	.158	-.494	.092	-.439	.017
.600	-.718	-.109	-.677	-.159	-.628	-.225
.700	-.884	-.335	-.848	-.388	-.805	-.447
.800	-1.043	-.562	-1.017	-.609	-.980	-.662
.900	-1.223	-.802	-1.198	-.845	-1.168	-.892
.950	-1.325	-.945	-1.305	-.986	-1.280	-1.030
.980	-1.395	-1.057	-1.383	-1.096	-1.364	-1.139
.983	-1.402	-1.069	-1.390	-1.108	-1.373	-1.151

ASYMETRIE = -1.40

PROBABILITE	INTERVALLE 95 .025	INTERVALLE 95 .975	INTERVALLE 90 .050	INTERVALLE 90 .950	INTERVALLE 80 .100	INTERVALLE 80 .900
.017	1.069	1.402	1.108	1.390	1.151	1.373
.020	1.057	1.395	1.096	1.383	1.139	1.364
.050	.945	1.325	.986	1.305	1.030	1.280
.100	.802	1.223	.845	1.198	.892	1.168
.200	.562	1.048	.609	1.017	.662	.980
.300	.335	.884	.388	.848	.447	.805
.400	.100	.718	.159	.677	.225	.628
.500	-.158	.541	-.092	.494	-.017	.439
.600	-.459	.342	-.383	.289	-.297	.226
.700	-.835	.108	-.744	.046	-.643	-.028
.800	-1.362	-.191	-1.246	-.266	-1.117	-.356
.900	-2.303	-.636	-2.126	-.736	-1.934	-.857
.950	-3.372	-1.009	-3.097	-1.137	-2.805	-1.294
.980	-5.137	-1.398	-4.633	-1.566	-4.115	-1.777
.983	-5.454	-1.448	-4.903	-1.622	-4.337	-1.842

INTERVALLES DE CONFIANCE POUR LA LOI GAMMA N= 60

ASYMETRIE = 1.40

PROBABILITE	INTERVALLE 95 .025	INTERVALLE 95 .975	INTERVALLE 90 .050	INTERVALLE 90 .950	INTERVALLE 80 .100	INTERVALLE 80 .900
.012	1.787	5.772	1.960	5.219	2.178	4.656
.020	1.584	4.625	1.733	4.239	1.918	3.839
.050	1.151	3.068	1.262	2.858	1.398	2.632
.100	.748	2.104	.833	1.967	.937	1.817
.200	.275	1.230	.339	1.139	.415	1.037
.300	-.038	.732	.014	.660	.077	.579
.400	-.282	.373	-.237	.312	-.134	.244
.500	-.488	.083	-.449	.030	-.402	-.029
.600	-.672	-.166	-.637	-.213	-.596	-.266
.700	-.843	-.394	-.813	-.436	-.777	-.483
.800	-1.013	-.615	-.986	-.653	-.955	-.695
.900	-1.195	-.850	-1.173	-.883	-1.147	-.921
.950	-1.303	-.990	-1.285	-1.022	-1.262	-1.057
.980	-1.382	-1.100	-1.369	-1.131	-1.352	-1.165
.988	-1.407	-1.141	-1.397	-1.172	-1.383	-1.206

ASYMETRIE = -1.40

PROBABILITE	INTERVALLE 95 .025	INTERVALLE 95 .975	INTERVALLE 90 .050	INTERVALLE 90 .950	INTERVALLE 80 .100	INTERVALLE 80 .900
.012	1.141	1.407	1.172	1.397	1.206	1.383
.020	1.100	1.382	1.131	1.369	1.165	1.352
.050	.980	1.303	1.022	1.285	1.057	1.262
.100	.850	1.195	.883	1.173	.921	1.147
.200	.615	1.013	.653	.986	.695	.955
.300	.394	.843	.436	.813	.483	.777
.400	.166	.672	.213	.637	.266	.596
.500	-.083	.488	-.030	.449	.029	.402
.600	-.373	.282	-.312	.237	-.244	.184
.700	-.732	.038	-.660	-.014	-.579	-.077
.800	-1.230	-.275	-1.139	-.339	-1.037	-.415
.900	-2.104	-.748	-1.967	-.833	-1.817	-.937
.950	-3.068	-1.151	-2.858	-1.262	-2.632	-1.398
.980	-4.625	-1.584	-4.239	-1.733	-3.839	-1.918
.988	-5.772	-1.787	-5.219	-1.960	-4.656	-2.178

INTERVALLES DE CONFIANCE POUR LA LOI GAMMA N= 80

ASYMETRIE = 1.40

	INTERVALLE 95		INTERVALLE 90		INTERVALLE 80	
PROBABILITE	.025	.975	.050	.950	.100	.900
.010	1.979	5.689	2.145	5.186	2.354	4.668
.020	1.703	4.322	1.839	4.007	2.008	3.674
.050	1.241	2.895	1.341	2.721	1.462	2.531
.100	.818	1.990	.894	1.875	.986	1.748
.200	.327	1.154	.384	1.077	.451	.991
.300	.005	.672	.051	.611	.106	.542
.400	-.245	.322	-.205	.270	-.158	.212
.500	-.456	.039	-.421	-.006	-.380	-.056
.600	-.643	-.205	-.612	-.245	-.576	-.290
.700	-.818	-.429	-.791	-.465	-.759	-.505
.800	-.991	-.646	-.967	-.678	-.939	-.714
.900	-1.177	-.877	-1.157	-.906	-1.134	-.938
.950	-1.288	-1.016	-1.271	-1.043	-1.251	-1.073
.980	-1.372	-1.125	-1.360	-1.151	-1.343	-1.180
.990	-1.406	-1.175	-1.397	-1.201	-1.384	-1.230

ASYMETRIE = -1.40

	INTERVALLE 95		INTERVALLE 90		INTERVALLE 80	
PROBABILITE	.025	.975	.050	.950	.100	.900
.010	1.175	1.406	1.201	1.397	1.230	1.384
.020	1.125	1.372	1.151	1.360	1.180	1.343
.050	1.015	1.288	1.043	1.271	1.073	1.251
.100	.877	1.177	.906	1.157	.938	1.134
.200	.646	.991	.678	.967	.714	.939
.300	.429	.818	.465	.791	.505	.759
.400	.205	.643	.245	.612	.290	.576
.500	-.039	.456	.006	.421	.056	.380
.600	-.322	.245	-.270	.205	-.212	.158
.700	-.672	-.005	-.611	-.051	-.542	-.106
.800	-1.154	-.327	-1.077	-.384	-.991	-.451
.900	-1.990	-.818	-1.875	-.894	-1.748	-.986
.950	-2.895	-1.241	-2.721	-1.341	-2.531	-1.462
.980	-4.322	-1.703	-4.007	-1.839	-3.674	-2.008
.990	-5.689	-1.979	-5.186	-2.145	-4.668	-2.354

INTERVALLES DE CONFIANCE POUR LA LOI GAMMA N= 100

ASYMETRIE = 1.40

	INTERVALLE 95		INTERVALLE 90		INTERVALLE 80	
PROBABILITE	.025	.975	.050	.950	.100	.900
.010	2.083	5.393	2.239	4.961	2.433	4.513
.020	1.789	4.122	1.916	3.850	2.071	3.561
.050	1.305	2.781	1.397	2.629	1.507	2.463
.100	.867	1.915	.937	1.814	1.020	1.702
.200	.364	1.104	.416	1.036	.477	.959
.300	.035	.632	.077	.578	.127	.517
.400	-.219	.288	-.183	.243	-.141	.191
.500	-.433	.010	-.401	-.030	-.364	-.075
.600	-.623	-.231	-.595	-.267	-.562	-.306
.700	-.801	-.452	-.776	-.484	-.747	-.519
.800	-.976	-.667	-.954	-.695	-.929	-.727
.900	-1.164	-.896	-1.146	-.921	-1.125	-.949
.950	-1.278	-1.033	-1.262	-1.057	-1.243	-1.083
.980	-1.365	-1.142	-1.353	-1.164	-1.337	-1.190
.990	-1.401	-1.192	-1.392	-1.214	-1.379	-1.240

ASYMETRIE = -1.40

	INTERVALLE 95		INTERVALLE 90		INTERVALLE 80	
PROBABILITE	.025	.975	.050	.950	.100	.900
.010	1.192	1.401	1.214	1.392	1.240	1.379
.020	1.142	1.365	1.164	1.353	1.190	1.337
.050	1.033	1.278	1.057	1.262	1.083	1.243
.100	.896	1.164	.921	1.146	.949	1.125
.200	.667	.976	.695	.954	.727	.929
.300	.452	.801	.484	.776	.519	.747
.400	.231	.623	.267	.595	.306	.562
.500	-.010	.433	.030	.401	.075	.364
.600	-.288	.219	-.243	.183	-.191	.141
.700	-.632	-.035	-.578	-.077	-.517	-.127
.800	-1.104	-.364	-1.036	-.416	-.959	-.477
.900	-1.915	-.867	-1.814	-.937	-1.702	-1.020
.950	-2.781	-1.305	-2.629	-1.397	-2.463	-1.507
.980	-4.122	-1.789	-3.850	-1.916	-3.561	-2.071
.990	-5.393	-2.083	-4.961	-2.239	-4.513	-2.433

INTERVALLES DE CONFIANCE POUR LA LOI GAMMA N= 10

ASYMETRIE = 1.50

PROBABILITE	INTERVALLE 95 .025	INTERVALLE 95 .975	INTERVALLE 90 .050	INTERVALLE 90 .950	INTERVALLE 80 .100	INTERVALLE 80 .900
.067	.247	4.477	.441	3.891	.664	3.291
.100	.113	3.560	.267	3.107	.462	2.636
.200	-.216	2.165	-.098	1.880	.051	1.577
.300	-.446	1.445	-.348	1.228	-.226	.994
.400	-.628	.959	-.545	.779	-.441	.585
.500	-.782	.584	-.711	.430	-.622	.263
.600	-.918	.272	-.858	.137	-.782	-.010
.700	-1.043	-.004	-.993	-.124	-.929	-.254
.800	-1.159	-.263	-1.120	-.371	-1.069	-.486
.900	-1.267	-.529	-1.243	-.625	-1.208	-.727
.933	-1.299	-.625	-1.281	-.717	-1.254	-.815

ASYMETRIE = -1.50

PROBABILITE	INTERVALLE 95 .025	INTERVALLE 95 .975	INTERVALLE 90 .050	INTERVALLE 90 .950	INTERVALLE 80 .100	INTERVALLE 80 .900
.067	.525	1.298	.717	1.281	.815	1.254
.100	.529	1.267	.625	1.243	.727	1.208
.200	.263	1.159	.371	1.120	.486	1.069
.300	.004	1.043	.124	.993	.254	.929
.400	-.272	.918	-.137	.858	.010	.782
.500	-.584	.782	-.430	.711	-.263	.622
.600	-.959	.628	-.779	.545	-.585	.441
.700	-1.445	.446	-1.228	.348	-.994	.226
.800	-2.165	.216	-1.880	.098	-1.577	-.051
.900	-3.560	-.113	-3.107	-.267	-2.636	-.462
.933	-4.477	-.267	-3.891	-.441	-3.291	-.664

INTERVALLES DE CONFIANCE POUR LA LOI GAMMA N= 20

ASYMETRIE = 1.50

PROBABILITE	INTERVALLE 95 .025	INTERVALLE 95 .975	INTERVALLE 90 .050	INTERVALLE 90 .950	INTERVALLE 80 .100	INTERVALLE 80 .900
.034	.853	5.048	1.031	4.466	1.257	3.869
.050	.709	4.187	.869	3.731	1.071	3.259
.100	.390	2.821	.517	2.534	.675	2.230
.200	-.002	1.679	.094	1.497	.212	1.299
.300	-.269	1.071	-.190	.930	-.093	.776
.400	-.477	.648	-.410	.532	-.329	.403
.500	-.653	.318	-.596	.217	-.525	.107
.600	-.808	.039	-.759	-.049	-.698	-.146
.700	-.951	-.211	-.909	-.289	-.857	-.374
.800	-1.088	-.447	-1.053	-.516	-1.010	-.592
.900	-1.223	-.691	-1.199	-.752	-1.167	-.819
.950	-1.291	-.832	-1.275	-.889	-1.252	-.951
.966	-1.310	-.884	-1.298	-.940	-1.280	-1.000

ASYMETRIE = -1.50

PROBABILITE	INTERVALLE 95 .025	INTERVALLE 95 .975	INTERVALLE 90 .050	INTERVALLE 90 .950	INTERVALLE 80 .100	INTERVALLE 80 .900
.034	.884	1.310	.940	1.298	1.000	1.280
.050	.832	1.291	.889	1.275	.951	1.252
.100	.691	1.223	.752	1.199	.819	1.167
.200	.447	1.088	.516	1.053	.592	1.010
.300	.211	.951	.289	.909	.374	.857
.400	-.039	.808	.049	.759	.146	.698
.500	-.319	.653	-.217	.596	-.107	.525
.600	-.648	.477	-.532	.410	-.403	.329
.700	-1.071	.269	-.930	.190	-.776	.093
.800	-1.679	.002	-1.497	-.094	-1.299	-.212
.900	-2.821	-.390	-2.534	-.517	-2.230	-.675
.950	-4.187	-.709	-3.731	-.869	-3.259	-1.071
.966	-5.048	-.853	-4.466	-1.031	-3.869	-1.257

INTERVALLES DE CONFIANCE POUR LA LOI GAMMA N= 400

ASYMETRIE = 1.500

PROBABILITE	INTERVALLE 95 .025	INTERVALLE 95 .975	INTERVALLE 90 .050	INTERVALLE 90 .950	INTERVALLE 80 .100	INTERVALLE 80 .900
.017	1.447	5.617	1.763	5.037	1.833	4.444
.020	1.336	5.245	1.584	4.784	1.745	4.210
.050	.969	3.435	1.229	3.230	1.290	2.847
.100	.620	2.327	.722	2.149	.844	1.947
.200	.173	1.399	.248	1.240	.338	1.109
.300	-.124	.822	-.043	.730	.010	.627
.400	-.355	.442	-.303	.369	-.240	.279
.500	-.547	.141	-.503	.076	-.449	.000
.600	-.717	-.116	-.678	-.179	-.632	-.240
.700	-.874	-.348	-.840	-.399	-.800	-.457
.800	-1.024	-.563	-.996	-.614	-.962	-.684
.900	-1.178	-.797	-1.157	-.838	-1.130	-.881
.950	-1.262	-.930	-1.246	-.967	-1.225	-1.008
.980	-1.313	-1.032	-1.305	-1.067	-1.291	-1.103
.983	-1.319	-1.043	-1.310	-1.078	-1.298	-1.116

ASYMETRIE = -1.500

PROBABILITE	INTERVALLE 95 .025	INTERVALLE 95 .975	INTERVALLE 90 .050	INTERVALLE 90 .950	INTERVALLE 80 .100	INTERVALLE 80 .900
.017	1.043	1.318	1.078	1.310	1.116	1.298
.020	1.032	1.313	1.067	1.305	1.105	1.291
.050	.930	1.262	.967	1.246	1.008	1.225
.100	.737	1.178	.837	1.157	.881	1.130
.200	.568	1.024	.614	.996	.664	.962
.300	.342	.874	.399	.840	.457	.800
.400	.115	.717	.175	.678	.240	.632
.500	-.141	.547	-.074	.503	-.000	.449
.600	-.442	.355	-.365	.303	-.279	.240
.700	-.823	.125	-.730	.063	-.627	-.010
.800	-1.359	-.173	-1.240	-.248	-1.109	-.338
.900	-2.337	-.620	-2.145	-.722	-1.947	-.844
.950	-3.435	-.993	-3.150	-1.129	-2.847	-1.290
.980	-5.245	-1.396	-4.754	-1.568	-4.210	-1.785
.983	-5.617	-1.447	-5.037	-1.626	-4.444	-1.852

INTERVALLES DE CONFIANCE POUR LA LOI GAMMA N= 60

ASYMETRIE = 1.50

PROBABILITE	INTERVALLE 95 .025	INTERVALLE 95 .975	INTERVALLE 90 .050	INTERVALLE 90 .950	INTERVALLE 80 .100	INTERVALLE 80 .900
.017	1.748	5.658	1.973	5.363	2.198	4.778
.020	1.587	4.747	1.740	4.342	1.930	3.923
.050	1.144	3.120	1.257	2.902	1.396	2.667
.100	.734	2.122	.821	1.981	.925	1.826
.200	.257	1.225	.321	1.132	.398	1.028
.300	-.054	.718	-.003	.645	.059	.563
.400	-.298	.356	-.252	.294	-.199	.226
.500	-.497	.066	-.458	.013	-.413	-.046
.600	-.673	-.182	-.640	-.228	-.601	-.280
.700	-.836	-.406	-.807	-.446	-.773	-.492
.800	-.992	-.619	-.968	-.655	-.939	-.695
.900	-1.154	-.842	-1.135	-.873	-1.112	-.908
.950	-1.244	-.971	-1.229	-1.000	-1.211	-1.032
.980	-1.304	-1.071	-1.295	-1.098	-1.282	-1.128
.983	-1.321	-1.107	-1.315	-1.134	-1.305	-1.163

ASYMETRIE = -1.50

PROBABILITE	INTERVALLE 95 .025	INTERVALLE 95 .975	INTERVALLE 90 .050	INTERVALLE 90 .950	INTERVALLE 80 .100	INTERVALLE 80 .900
.017	1.107	1.321	1.134	1.315	1.163	1.305
.020	1.071	1.304	1.098	1.295	1.128	1.282
.050	.971	1.244	1.000	1.229	1.032	1.211
.100	.842	1.154	.873	1.135	.908	1.112
.200	.619	.992	.655	.968	.695	.939
.300	.406	.836	.446	.807	.492	.773
.400	.182	.673	.228	.640	.280	.601
.500	-.066	.497	-.013	.458	.046	.413
.600	-.355	.296	-.294	.252	-.226	.199
.700	-.718	.055	-.645	.003	-.563	-.059
.800	-1.225	-.257	-1.132	-.321	-1.028	-.398
.900	-2.122	-.734	-1.981	-.821	-1.826	-.925
.950	-3.120	-1.144	-2.902	-1.257	-2.667	-1.336
.980	-4.747	-1.587	-4.342	-1.740	-3.923	-1.930
.983	-5.658	-1.794	-5.363	-1.973	-4.778	-2.198

INTERVALLES DE CONFIANCE POUR LA LOI GAMMA N= 80

ASYMETRIE = 1.50

PROBABILITE	INTERVALLE 95 .025	INTERVALLE 95 .975	INTERVALLE 90 .050	INTERVALLE 90 .950	INTERVALLE 80 .100	INTERVALLE 80 .900
.010	1.993	5.880	2.164	5.333	2.379	4.792
.020	1.709	4.431	1.849	4.097	2.022	3.750
.050	1.235	2.940	1.338	2.760	1.462	2.562
.100	.804	2.004	.882	1.886	.975	1.755
.200	.319	1.147	.367	1.068	.434	.980
.300	-.012	.657	.034	.595	.089	.526
.400	-.260	.304	-.220	.253	-.174	.194
.500	-.445	.022	-.431	-.023	-.391	-.073
.600	-.646	-.225	-.616	-.259	-.582	-.303
.700	-.812	-.439	-.787	-.474	-.756	-.513
.800	-.972	-.649	-.951	-.679	-.925	-.713
.900	-1.138	-.867	-1.121	-.894	-1.100	-.923
.950	-1.232	-.995	-1.218	-1.019	-1.201	-1.046
.980	-1.297	-1.093	-1.288	-1.116	-1.276	-1.141
.990	-1.320	-1.137	-1.314	-1.159	-1.305	-1.184

ASYMETRIE = -1.50

PROBABILITE	INTERVALLE 95 .025	INTERVALLE 95 .975	INTERVALLE 90 .050	INTERVALLE 90 .950	INTERVALLE 80 .100	INTERVALLE 80 .900
.010	1.137	1.320	1.159	1.314	1.194	1.305
.020	1.093	1.297	1.116	1.288	1.141	1.276
.050	.995	1.232	1.919	1.218	1.046	1.201
.100	.867	1.138	.894	1.121	.923	1.100
.200	.649	.972	.679	.951	.713	.925
.300	.439	.812	.474	.787	.513	.756
.400	.220	.646	.259	.616	.303	.582
.500	-.022	.465	.023	.431	.073	.391
.600	-.304	.260	-.253	.220	-.194	.174
.700	-.657	.012	-.595	-.034	-.526	-.089
.800	-1.147	-.310	-1.068	-.367	-.980	-.434
.900	-2.004	-.804	-1.886	-.882	-1.755	-.975
.950	-2.940	-1.235	-2.760	-1.338	-2.562	-1.462
.980	-4.431	-1.709	-4.097	-1.849	-3.750	-2.022
.990	-5.880	-1.993	-5.333	-2.164	-4.792	-2.379

INTERVALLES DE CONFIANCE POUR LA LOI GAMMA N= 100

ASYMETRIE = 1.50

PROBABILITE	INTERVALLE 95 .025	INTERVALLE 95 .975	INTERVALLE 90 .050	INTERVALLE 90 .950	INTERVALLE 80 .100	INTERVALLE 80 .900
.010	2.101	5.567	2.261	5.095	2.462	4.628
.020	1.797	4.218	1.928	3.935	2.088	3.633
.050	1.301	2.822	1.395	2.665	1.508	2.492
.100	.854	1.926	.925	1.823	1.010	1.708
.200	.347	1.095	.398	1.026	.460	.948
.300	.018	.616	.060	.562	.109	.500
.400	-.224	.270	-.198	.225	-.156	.173
.500	-.443	-.007	-.412	-.047	-.376	-.091
.600	-.627	-.246	-.600	-.260	-.568	-.319
.700	-.795	-.462	-.772	-.492	-.745	-.527
.800	-.958	-.669	-.938	-.696	-.915	-.726
.900	-1.127	-.885	-1.111	-.908	-1.092	-.934
.950	-1.223	-1.011	-1.210	-1.032	-1.195	-1.056
.980	-1.291	-1.107	-1.262	-1.127	-1.271	-1.149
.990	-1.317	-1.151	-1.311	-1.171	-1.302	-1.192

ASYMETRIE = -1.50

PROBABILITE	INTERVALLE 95 .025	INTERVALLE 95 .975	INTERVALLE 90 .050	INTERVALLE 90 .950	INTERVALLE 80 .100	INTERVALLE 80 .900
.010	1.151	1.317	1.171	1.311	1.192	1.302
.020	1.107	1.291	1.127	1.282	1.149	1.271
.050	1.011	1.223	1.032	1.210	1.056	1.195
.100	.885	1.127	.908	1.111	.934	1.092
.200	.669	.958	.696	.938	.726	.915
.300	.462	.795	.492	.772	.527	.745
.400	.246	.627	.280	.600	.319	.568
.500	.007	.443	.047	.412	.091	.376
.600	-.270	.234	-.225	.198	-.173	.156
.700	-.616	-.018	-.562	-.060	-.500	-.109
.800	-1.095	-.347	-1.026	-.398	-.948	-.460
.900	-1.926	-.854	-1.823	-.925	-1.708	-1.010
.950	-2.822	-1.301	-2.665	-1.395	-2.492	-1.508
.980	-4.218	-1.797	-3.935	-1.928	-3.633	-2.088
.990	-5.567	-2.101	-5.095	-2.261	-4.628	-2.462

INTERVALLES DE CONFIANCE POUR LA LOI GAMMA N= 10

ASYMETRIE = 1.60

PROBABILITE	INTERVALLE 95 .025	INTERVALLE 95 .975	INTERVALLE 90 .050	INTERVALLE 90 .950	INTERVALLE 80 .100	INTERVALLE 80 .900
.067	.249	4.578	.424	3.970	.648	3.347
.100	.095	3.625	.249	3.156	.445	2.669
.200	-.231	2.182	-.114	1.889	.034	1.578
.300	-.455	1.443	-.360	1.221	-.240	.983
.400	-.630	.947	-.551	.765	-.451	.568
.500	-.777	.568	-.710	.412	-.625	.245
.600	-.903	.254	-.848	.119	-.777	-.027
.700	-1.016	-.021	-.971	-.140	-.913	-.268
.800	-1.118	-.277	-1.084	-.382	-1.039	-.495
.900	-1.206	-.536	-1.187	-.627	-1.159	-.725
.933	-1.229	-.628	-1.216	-.715	-1.195	-.807

ASYMETRIE = -1.60

PROBABILITE	INTERVALLE 95 .025	INTERVALLE 95 .975	INTERVALLE 90 .050	INTERVALLE 90 .950	INTERVALLE 80 .100	INTERVALLE 80 .900
.067	.628	1.229	.715	1.216	.807	1.195
.100	.5[illegible]	1.206	.627	1.187	.725	1.159
.200	.[illegible]	1.118	.382	1.084	.495	1.039
.300	.[illegible]	1.016	.140	.971	.268	.913
.400	-.254	.903	-.119	.848	.027	.777
.500	-.569	.777	-.412	.710	-.245	.625
.600	-.947	.630	-.7[illegible]	.551	-.568	.451
.[illegible]	-1.[illegible]	.[illegible]	-.[illegible]	.360	-.983	.240
.[illegible]	-[illegible]	.231	-1.[illegible]	.114	-1.578	-.034
.9[illegible]	-3.6[illegible]	-.095	-[illegible].156	-.249	-2.669	-.445
.933	-4.578	-.[illegible]	-3.970	-.424	-3.347	-.648

INTERVALLES DE CONFIANCE POUR LA LOI GAMMA N= 20

ASYMETRIE = 1.60

PROBABILITE	INTERVALLE 95 .025	INTERVALLE 95 .975	INTERVALLE 90 .050	INTERVALLE 90 .950	INTERVALLE 80 .100	INTERVALLE 80 .900
.034	.[illegible]	5.171	1.021	4.567	1.251	3.947
.050	.694	4.275	.856	3.803	1.061	3.313
.100	.372	2.859	.500	2.563	.660	2.249
.200	-.020	1.683	.076	1.496	.194	1.294
.300	-.283	1.061	-.205	.918	-.110	.762
.400	-.486	.633	-.421	.515	-.341	.386
.500	-.655	.300	-.600	.199	-.532	.089
.600	-.802	.021	-.755	-.066	-.697	-.162
.700	-.934	-.225	-.895	-.302	-.847	-.386
.800	-1.056	-.456	-1.026	-.523	-.987	-.597
.900	-1.171	-.691	-1.151	-.749	-1.124	-.812
.950	-1.223	-.824	-1.212	-.877	-1.194	-.934
.966	-1.237	-.872	-1.229	-.923	-1.215	-.978

ASYMETRIE = -1.60

PROBABILITE	INTERVALLE 95 .025	INTERVALLE 95 .975	INTERVALLE 90 .050	INTERVALLE 90 .950	INTERVALLE 80 .100	INTERVALLE 80 .900
.034	.872	1.237	.923	1.229	.978	1.215
.050	.824	1.223	.877	1.212	.934	1.194
.100	.691	1.171	.749	1.151	.812	1.124
.200	.456	1.056	.523	1.026	.597	.987
.300	.225	.934	.302	.895	.386	.847
.400	-.021	.802	.066	.755	.162	.697
.500	-.300	.655	-.199	.600	-.089	.532
.600	-.633	.486	-.515	.421	-.386	.341
.700	-1.061	.283	-.918	.205	-.762	.110
.800	-1.683	.020	-1.496	-.076	-1.294	-.194
.900	-2.859	-.372	-2.563	-.500	-2.249	-.660
.950	-4.275	-.694	-3.803	-.856	-3.313	-1.061
.966	-5.171	-.840	-4.567	-1.021	-3.947	-1.251

INTERVALLES DE CONFIANCE POUR LA LOI GAMMA N= 40

ASYMETRIE = 1.60

	INTERVALLE 95		INTERVALLE 90		INTERVALLE 80	
PROBABILITE	.025	.975	.050	.950	.100	.900
.017	1.446	5.761	1.629	5.160	1.861	4.544
.020	1.393	5.413	1.569	4.864	1.792	4.300
.050	.993	3.496	1.121	3.200	1.285	2.886
.100	.605	2.349	.707	2.161	.831	1.958
.200	.155	1.355	.230	1.234	.320	1.100
.300	-.141	.809	-.080	.715	-.007	.611
.400	-.367	.425	-.316	.347	-.255	.261
.500	-.554	.123	-.510	.056	-.458	-.017
.600	-.716	-.132	-.679	-.190	-.634	-.254
.700	-.862	-.360	-.831	-.410	-.794	-.466
.800	-.999	-.573	-.974	-.617	-.943	-.665
.900	-1.133	-.791	-1.116	-.828	-1.093	-.869
.950	-1.202	-.915	-1.189	-.948	-1.173	-.985
.980	-1.239	-1.007	-1.233	-1.038	-1.224	-1.071
.983	-1.242	-1.017	-1.237	-1.048	-1.228	-1.081

ASYMETRIE = -1.60

	INTERVALLE 95		INTERVALLE 90		INTERVALLE 80	
PROBABILITE	.025	.975	.050	.950	.100	.900
.017	1.017	1.242	1.048	1.237	1.081	1.228
.020	1.007	1.239	1.038	1.233	1.071	1.224
.050	.915	1.202	.948	1.189	.985	1.173
.100	.791	1.133	.828	1.116	.869	1.093
.200	.573	.999	.617	.974	.665	.943
.300	.360	.862	.410	.831	.466	.794
.400	.132	.715	.190	.679	.254	.634
.500	-.123	.554	-.056	.510	.017	.458
.600	-.425	.367	-.347	.316	-.261	.255
.700	-.809	.141	-.715	.080	-.611	.007
.800	-1.355	-.155	-1.234	-.230	-1.100	-.320
.900	-2.349	-.605	-2.161	-.707	-1.958	-.831
.950	-3.496	-.993	-3.200	-1.121	-2.886	-1.285
.980	-5.413	-1.393	-4.864	-1.569	-4.300	-1.792
.983	-5.761	-1.446	-5.160	-1.629	-4.544	-1.861

INTERVALLES DE CONFIANCE POUR LA LOI GAMMA N= 60

ASYMETRIE = 1.60

	INTERVALLE 95		INTERVALLE 90		INTERVALLE 80	
PROBABILITE	.025	.975	.050	.950	.100	.900
.012	1.803	6.108	1.986	5.506	2.217	4.891
.020	1.588	4.854	1.745	4.436	1.941	4.001
.050	1.136	3.169	1.251	2.943	1.393	2.700
.100	.719	2.138	.807	1.993	.913	1.833
.200	.239	1.218	.303	1.123	.380	1.018
.300	-.072	.703	-.020	.629	.041	.547
.400	-.309	.337	-.266	.276	-.214	.208
.500	-.504	.048	-.468	-.004	-.423	-.063
.600	-.674	-.197	-.642	-.243	-.605	-.293
.700	-.827	-.416	-.800	-.456	-.768	-.500
.800	-.971	-.622	-.949	-.657	-.922	-.695
.900	-1.113	-.833	-1.098	-.862	-1.077	-.894
.950	-1.188	-.952	-1.176	-.978	-1.161	-1.007
.980	-1.234	-1.041	-1.227	-1.065	-1.217	-1.091
.988	-1.244	-1.073	-1.240	-1.095	-1.233	-1.120

ASYMETRIE = -1.60

	INTERVALLE 95		INTERVALLE 90		INTERVALLE 80	
PROBABILITE	.025	.975	.050	.950	.100	.900
.012	1.073	1.244	1.095	1.240	1.120	1.233
.020	1.041	1.234	1.065	1.227	1.091	1.217
.050	.952	1.188	.978	1.176	1.007	1.161
.100	.833	1.113	.862	1.098	.894	1.077
.200	.622	.971	.657	.949	.695	.922
.300	.416	.827	.456	.800	.500	.768
.400	.197	.674	.243	.642	.293	.605
.500	-.044	.504	.004	.468	.063	.423
.600	-.337	.309	-.276	.266	-.208	.214
.700	-.703	.072	-.629	.020	-.547	-.041
.800	-1.218	-.239	-1.123	-.303	-1.018	-.380
.900	-2.134	-.719	-1.993	-.807	-1.833	-.913
.950	-3.164	-1.136	-2.943	-1.251	-2.700	-1.393
.980	-4.854	-1.588	-4.436	-1.745	-4.001	-1.941
.988	-6.108	-1.803	-5.506	-1.986	-4.891	-2.217

INTERVALLES DE CONFIANCE POUR LA LOI GAMMA N= 80

ASYMETRIE = 1.60

PROBABILITE	INTERVALLE 95		INTERVALLE 90		INTERVALLE 80	
	.025	.975	.050	.950	.100	.900
.010	2.006	6.016	2.182	5.466	2.404	4.904
.020	1.714	4.525	1.858	4.183	2.036	3.822
.050	1.220	2.982	1.334	2.795	1.460	2.592
.100	.791	2.017	.870	1.895	.964	1.761
.200	.292	1.139	.349	1.059	.417	.969
.300	-.030	.641	.016	.579	.071	.509
.400	-.273	.286	-.235	.235	-.189	.176
.500	-.474	.005	-.441	-.040	-.402	-.090
.600	-.648	-.235	-.620	-.273	-.586	-.316
.700	-.805	-.449	-.791	-.482	-.753	-.520
.800	-.953	-.651	-.933	-.680	-.909	-.712
.900	-1.101	-.856	-1.085	-.881	-1.067	-.908
.950	-1.179	-.973	-1.168	-.995	-1.154	-1.019
.980	-1.229	-1.060	-1.222	-1.080	-1.212	-1.101
.990	-1.243	-1.097	-1.239	-1.117	-1.233	-1.138

ASYMETRIE = -1.60

PROBABILITE	INTERVALLE 95		INTERVALLE 90		INTERVALLE 80	
	.025	.975	.050	.950	.100	.900
.010	1.097	1.243	1.117	1.239	1.138	1.233
.020	1.060	1.229	1.080	1.222	1.101	1.212
.050	.973	1.179	.995	1.168	1.019	1.154
.100	.856	1.101	.881	1.085	.908	1.067
.200	.651	.953	.680	.933	.712	.909
.300	.449	.805	.482	.781	.520	.753
.400	.235	.648	.273	.620	.316	.586
.500	-.005	.474	.040	.441	.090	.402
.600	-.286	.273	-.235	.235	-.176	.189
.700	-.641	.030	-.579	-.016	-.509	-.071
.800	-1.139	-.292	-1.059	-.349	-.969	-.417
.900	-2.017	-.791	-1.895	-.870	-1.761	-.964
.950	-2.992	-1.229	-2.795	-1.334	-2.592	-1.460
.980	-4.525	-1.714	-4.183	-1.858	-3.822	-2.036
.990	-5.016	-2.006	-5.466	-2.182	-4.904	-2.404

INTERVALLES DE CONFIANCE POUR LA LOI GAMMA N= 100

ASYMETRIE = 1.60

PROBABILITE	INTERVALLE 95		INTERVALLE 90		INTERVALLE 80	
	.025	.975	.050	.950	.100	.900
.010	2.116	5.694	2.282	5.221	2.489	4.733
.020	1.804	4.307	1.938	4.012	2.103	3.700
.050	1.296	2.859	1.392	2.697	1.508	2.520
.100	.841	1.937	.914	1.830	1.000	1.712
.200	.329	1.046	.391	1.016	.443	.936
.300	.000	.600	.042	.545	.092	.483
.400	-.248	.252	-.213	.207	-.172	.155
.500	-.453	-.025	-.423	-.064	-.387	-.108
.600	-.630	-.260	-.604	-.294	-.574	-.332
.700	-.799	-.471	-.768	-.500	-.742	-.534
.800	-.960	-.670	-.922	-.695	-.900	-.724
.900	-1.090	-.872	-1.077	-.894	-1.060	-.918
.950	-1.172	-.987	-1.162	-1.007	-1.149	-1.028
.980	-1.225	-1.073	-1.218	-1.090	-1.209	-1.109
.990	-1.241	-1.110	-1.237	-1.127	-1.231	-1.144

ASYMETRIE = -1.60

PROBABILITE	INTERVALLE 95		INTERVALLE 90		INTERVALLE 80	
	.025	.975	.050	.950	.100	.900
.010	1.110	1.241	1.127	1.237	1.144	1.231
.020	1.073	1.225	1.090	1.218	1.109	1.209
.050	.987	1.172	1.007	1.162	1.028	1.149
.100	.872	1.090	.894	1.077	.918	1.060
.200	.670	.940	.695	.922	.724	.900
.300	.471	.789	.500	.768	.534	.742
.400	.240	.630	.294	.604	.332	.574
.500	.025	.453	.064	.423	.108	.387
.600	-.252	.248	-.207	.213	-.155	.172
.700	-.600	-.000	-.545	-.042	-.493	-.092
.800	-1.085	-.329	-1.016	-.381	-.936	-.443
.900	-1.937	-.841	-1.830	-.914	-1.712	-1.000
.950	-2.859	-1.296	-2.697	-1.392	-2.520	-1.508
.980	-4.307	-1.904	-4.012	-1.938	-3.700	-2.103
.990	-5.694	-2.116	-5.221	-2.282	-4.733	-2.489

INTERVALLES DE CONFIANCE POUR LA LOI GAMMA N= 10

ASYMETRIE = 1.70

PROBABILITE	INTERVALLE 95 .025	INTERVALLE 95 .975	INTERVALLE 90 .050	INTERVALLE 90 .950	INTERVALLE 80 .100	INTERVALLE 80 .900
.067	.231	4.681	.406	4.049	.632	3.402
.100	.077	3.690	.231	3.204	.427	2.700
.200	-.245	2.198	-.130	1.897	.016	1.578
.300	-.464	1.441	-.371	1.214	-.254	.971
.400	-.632	.935	-.556	.750	-.460	.552
.500	-.773	.551	-.708	.395	-.628	.227
.600	-.888	.236	-.837	.101	-.771	-.044
.700	-.980	-.038	-.949	-.156	-.897	-.282
.800	-1.077	-.291	-1.049	-.393	-1.010	-.502
.900	-1.147	-.542	-1.133	-.630	-1.110	-.722
.933	-1.163	-.630	-1.155	-.713	-1.139	-.799

ASYMETRIE = -1.70

PROBABILITE	INTERVALLE 95 .025	INTERVALLE 95 .975	INTERVALLE 90 .050	INTERVALLE 90 .950	INTERVALLE 80 .100	INTERVALLE 80 .900
.067	.630	1.163	.713	1.155	.799	1.139
.100	.502	1.147	.630	1.133	.722	1.110
.200	.291	1.077	.393	1.049	.502	1.010
.300	.038	.980	.156	.949	.282	.897
.400	-.236	.888	-.101	.837	.044	.771
.500	-.551	.770	-.395	.708	-.227	.628
.600	-.935	.632	-.750	.556	-.552	.460
.700	-1.441	.464	-1.214	.371	-.971	.254
.800	-2.198	.245	-1.897	.130	-1.578	-.016
.900	-3.690	-.077	-3.204	-.231	-2.700	-.427
.933	-4.681	-.231	-4.049	-.406	-3.402	-.632

INTERVALLES DE CONFIANCE POUR LA LOI GAMMA N= 20

ASYMETRIE = 1.70

PROBABILITE	INTERVALLE 95 .025	INTERVALLE 95 .975	INTERVALLE 90 .050	INTERVALLE 90 .950	INTERVALLE 80 .100	INTERVALLE 80 .900
.034	.926	5.300	1.010	4.669	1.244	4.025
.050	.678	4.365	.843	3.874	1.051	3.367
.100	.354	2.897	.483	2.591	.644	2.268
.200	-.037	1.686	.058	1.495	.176	1.288
.300	-.286	1.051	-.220	.905	-.126	.747
.400	-.494	.616	-.431	.498	-.353	.368
.500	-.656	.282	-.603	.181	-.538	.071
.600	-.794	.004	-.756	-.083	-.696	-.177
.700	-.915	-.240	-.880	-.315	-.836	-.397
.800	-1.024	-.465	-.998	-.530	-.963	-.600
.900	-1.120	-.690	-1.104	-.745	-1.082	-.803
.950	-1.160	-.814	-1.151	-.864	-1.138	-.915
.966	-1.180	-.859	-1.163	-.906	-1.154	-.955

ASYMETRIE = -1.70

PROBABILITE	INTERVALLE 95 .025	INTERVALLE 95 .975	INTERVALLE 90 .050	INTERVALLE 90 .950	INTERVALLE 80 .100	INTERVALLE 80 .900
.034	.859	1.169	.906	1.163	.955	1.154
.050	.814	1.160	.864	1.151	.915	1.138
.100	.690	1.120	.745	1.104	.803	1.082
.200	.465	1.024	.530	.998	.600	.963
.300	.240	.915	.315	.880	.397	.836
.400	.004	.794	.083	.750	.177	.696
.500	-.282	.656	-.181	.603	-.071	.538
.600	-.616	.494	-.498	.431	-.368	.353
.700	-1.051	.296	-.905	.220	-.747	.126
.800	-1.686	.037	-1.495	-.058	-1.288	-.176
.900	-2.897	-.354	-2.591	-.483	-2.268	-.644
.950	-4.365	-.678	-3.874	-.843	-3.367	-1.051
.966	-5.300	-.826	-4.669	-1.010	-4.025	-1.244

INTERVALLES DE CONFIANCE POUR LA LOI GAMMA N= 40.

ASYMETRIE = 1.70.

	INTERVALLE 95		INTERVALLE 90		INTERVALLE 80	
PROBABILITE	.025	.975	.050	.950	.100	.900
.017	1.443	5.917	1.631	5.288	1.868	4.645
.020	1.460	5.554	1.670	4.980	1.797	4.392
.050	.977	3.556	1.112	3.250	1.278	2.925
.100	.598	2.370	.691	2.177	.817	1.968
.200	.137	1.351	.212	1.227	.302	1.091
.300	-.156	.795	-.096	.700	-.024	.595
.400	-.378	.487	-.328	.329	-.268	.243
.500	-.559	.105	-.517	.039	-.467	-.034
.600	-.713	-.148	-.678	-.205	-.636	-.268
.700	-.850	-.371	-.821	-.420	-.786	-.474
.800	-.974	-.578	-.952	-.620	-.924	-.666
.900	-1.093	-.784	-1.075	-.819	-1.056	-.857
.950	-1.144	-.898	-1.134	-.929	-1.122	-.962
.980	-1.170	-.981	-1.166	-1.008	-1.160	-1.038
.983	-1.172	-.990	-1.169	-1.017	-1.163	-1.045

ASYMETRIE = -1.70

	INTERVALLE 95		INTERVALLE 90		INTERVALLE 80	
PROBABILITE	.025	.975	.050	.950	.100	.900
.017	.990	1.172	1.017	1.169	1.045	1.163
.020	.981	1.170	1.008	1.166	1.038	1.160
.050	.898	1.144	.929	1.134	.962	1.122
.100	.784	1.090	.819	1.075	.857	1.056
.200	.578	.974	.620	.952	.666	.924
.300	.371	.850	.420	.821	.474	.786
.400	.148	.713	.205	.678	.268	.636
.500	-.105	.559	-.039	.517	.034	.467
.600	-.407	.378	-.329	.328	-.243	.268
.700	-.795	.156	-.700	.096	-.595	.024
.800	-1.351	-.137	-1.227	-.212	-1.091	-.302
.900	-2.371	-.588	-2.177	-.691	-1.968	-.817
.950	-3.556	-.977	-3.250	-1.112	-2.925	-1.278
.980	-4.954	-1.460	-4.980	-1.670	-4.392	-1.797
.983	-5.917	-1.643	-5.288	-1.831	-4.645	-1.868

INTERVALLES DE CONFIANCE POUR LA LOI GAMMA N= 60

ASYMETRIE = 1.70

	INTERVALLE 95		INTERVALLE 90		INTERVALLE 80	
PROBABILITE	.025	.975	.050	.950	.100	.900
.012	1.803	6.282	1.996	5.648	2.235	5.006
.020	1.589	4.970	1.750	4.534	1.951	4.081
.050	1.127	3.217	1.245	2.984	1.389	2.733
.100	.704	2.153	.793	2.004	.901	1.840
.200	.221	1.211	.285	1.114	.362	1.006
.300	-.089	.687	-.037	.613	.024	.530
.400	-.322	.319	-.279	.258	-.229	.190
.500	-.512	.030	-.476	-.022	-.433	-.080
.600	-.674	-.212	-.644	-.257	-.608	-.306
.700	-.817	-.426	-.793	-.464	-.763	-.507
.800	-.949	-.625	-.929	-.657	-.905	-.694
.900	-1.073	-.823	-1.059	-.850	-1.042	-.879
.950	-1.133	-.932	-1.124	-.955	-1.112	-.981
.980	-1.167	-1.011	-1.162	-1.032	-1.155	-1.054
.988	-1.173	-1.039	-1.171	-1.059	-1.167	-1.080

ASYMETRIE = -1.70

	INTERVALLE 95		INTERVALLE 90		INTERVALLE 80	
PROBABILITE	.025	.975	.050	.950	.100	.900
.012	1.039	1.173	1.059	1.171	1.080	1.167
.020	1.011	1.167	1.032	1.162	1.054	1.155
.050	.932	1.133	.955	1.124	.981	1.112
.100	.823	1.073	.850	1.059	.879	1.042
.200	.625	.949	.657	.929	.694	.905
.300	.426	.817	.464	.793	.507	.763
.400	.212	.674	.257	.644	.306	.608
.500	-.030	.512	.022	.476	.080	.433
.600	-.319	.322	-.258	.279	-.190	.229
.700	-.687	.059	-.613	.037	-.530	-.024
.800	-1.211	-.221	-1.114	-.285	-1.006	-.362
.900	-2.153	-.704	-2.004	-.793	-1.840	-.901
.950	-3.217	-1.127	-2.984	-1.245	-2.733	-1.389
.980	-4.970	-1.589	-4.534	-1.750	-4.081	-1.951
.988	-6.282	-1.803	-5.648	-1.996	-5.006	-2.235

INTERVALLES DE CONFIANCE POUR LA LOI GAMMA N= 80

ASYMETRIE = 1.70

	INTERVALLE 95		INTERVALLE 90		INTERVALLE 80	
PROBABILITE	.025	.975	.050	.950	.100	.900
.010	2.018	6.190	2.199	5.611	2.427	5.021
.020	1.717	4.627	1.865	4.270	2.048	3.894
.050	1.222	3.024	1.329	2.831	1.458	2.621
.100	.776	2.029	.856	1.904	.952	1.766
.200	.274	1.130	.331	1.048	.399	.957
.300	-.047	.625	-.001	.562	.053	.492
.400	-.287	.268	-.249	.216	-.204	.158
.500	-.483	-.013	-.450	-.057	-.412	-.106
.600	-.649	-.249	-.622	-.287	-.590	-.329
.700	-.797	-.458	-.775	-.490	-.748	-.527
.800	-.933	-.652	-.915	-.679	-.893	-.710
.900	-1.062	-.845	-1.049	-.867	-1.034	-.892
.950	-1.126	-.951	-1.117	-.971	-1.106	-.992
.980	-1.164	-1.028	-1.159	-1.045	-1.152	-1.064
.990	-1.173	-1.061	-1.171	-1.077	-1.167	-1.094

ASYMETRIE = -1.70

	INTERVALLE 95		INTERVALLE 90		INTERVALLE 80	
PROBABILITE	.025	.975	.050	.950	.100	.900
.010	1.061	1.173	1.077	1.171	1.094	1.167
.020	1.028	1.164	1.045	1.159	1.064	1.152
.050	.951	1.126	.971	1.117	.992	1.106
.100	.845	1.062	.867	1.049	.892	1.034
.200	.652	.933	.679	.915	.710	.893
.300	.458	.797	.490	.775	.527	.748
.400	.249	.649	.287	.622	.329	.590
.500	.013	.482	.057	.450	.106	.412
.600	-.268	.287	-.216	.249	-.158	.204
.700	-.625	.047	-.562	.001	-.492	-.053
.800	-1.130	-.274	-1.048	-.331	-.957	-.399
.900	-2.023	-.776	-1.904	-.856	-1.766	-.952
.950	-3.024	-1.222	-2.831	-1.329	-2.621	-1.458
.980	-4.627	-1.717	-4.270	-1.865	-3.894	-2.048
.990	-6.190	-2.018	-5.611	-2.199	-5.021	-2.427

INTERVALLES DE CONFIANCE POUR LA LOI GAMMA N= 100

ASYMETRIE = 1.70

	INTERVALLE 95		INTERVALLE 90		INTERVALLE 80	
PROBABILITE	.025	.975	.050	.950	.100	.900
.010	2.131	5.848	2.301	5.352	2.515	4.843
.020	1.810	4.399	1.948	4.092	2.117	3.768
.050	1.290	2.897	1.388	2.729	1.507	2.546
.100	.828	1.946	.901	1.837	.988	1.716
.200	.311	1.076	.363	1.004	.425	.924
.300	-.017	.584	.024	.528	.074	.466
.400	-.262	.234	-.228	.188	-.187	.137
.500	-.462	-.042	-.433	-.080	-.398	-.124
.600	-.632	-.274	-.607	-.307	-.578	-.344
.700	-.782	-.479	-.762	-.508	-.738	-.540
.800	-.921	-.670	-.905	-.694	-.885	-.721
.900	-1.054	-.859	-1.042	-.879	-1.028	-.901
.950	-1.129	-.964	-1.112	-.981	-1.102	-.999
.980	-1.161	-1.039	-1.156	-1.054	-1.149	-1.070
.990	-1.172	-1.071	-1.169	-1.084	-1.165	-1.099

ASYMETRIE = -1.70

	INTERVALLE 95		INTERVALLE 90		INTERVALLE 80	
PROBABILITE	.025	.975	.050	.950	.100	.900
.010	1.071	1.172	1.084	1.169	1.099	1.165
.020	1.039	1.161	1.054	1.156	1.070	1.149
.050	.964	1.129	.981	1.112	.999	1.102
.100	.859	1.054	.879	1.042	.901	1.028
.200	.670	.921	.694	.905	.721	.885
.300	.479	.782	.508	.762	.540	.738
.400	.274	.632	.307	.607	.344	.578
.500	.042	.462	.080	.433	.124	.398
.600	-.234	.262	-.188	.228	-.137	.187
.700	-.584	.017	-.528	-.024	-.466	-.074
.800	-1.076	-.311	-1.004	-.363	-.924	-.425
.900	-1.946	-.828	-1.837	-.901	-1.716	-.988
.950	-2.897	-1.290	-2.729	-1.388	-2.546	-1.507
.980	-4.399	-1.810	-4.092	-1.948	-3.768	-2.117
.990	-5.848	-2.131	-5.352	-2.301	-4.843	-2.515

INTERVALLES DE CONFIANCE POUR LA LOI GAMMA N= 10

ASYMETRIE = 1.80

	INTERVALLE 95		INTERVALLE 90		INTERVALLE 80	
PROBABILITE	.025	.975	.050	.950	.100	.900
.067	.213	4.783	.388	4.126	.616	3.455
.100	.059	3.754	.212	3.251	.409	2.731
.200	-.259	2.214	-.146	1.904	-.001	1.577
.300	-.472	1.437	-.382	1.205	-.268	.959
.400	-.633	.922	-.561	.735	-.468	.535
.500	-.763	.534	-.705	.377	-.629	.208
.600	-.871	.217	-.825	.083	-.764	-.061
.700	-.962	-.055	-.927	-.171	-.880	-.295
.800	-1.037	-.304	-1.013	-.403	-.980	-.509
.900	-1.092	-.547	-1.081	-.631	-1.064	-.718
.933	-1.103	-.631	-1.097	-.710	-1.086	-.790

ASYMETRIE = -1.80

	INTERVALLE 95		INTERVALLE 90		INTERVALLE 80	
PROBABILITE	.025	.975	.050	.950	.100	.900
.067	.631	1.103	.710	1.097	.790	1.086
.100	.547	1.092	.631	1.081	.718	1.064
.200	.304	1.037	.403	1.013	.509	.980
.300	.055	.962	.171	.927	.295	.880
.400	-.217	.871	-.043	.825	.061	.764
.500	-.534	.763	-.377	.705	-.208	.629
.600	-.922	.633	-.735	.561	-.535	.468
.700	-1.437	.472	-1.205	.382	-.959	.268
.800	-2.214	.259	-1.904	.146	-1.577	.001
.900	-3.754	-.059	-3.251	-.212	-2.731	-.409
.933	-4.783	-.213	-4.126	-.388	-3.455	-.616

INTERVALLES DE CONFIANCE POUR LA LOI GAMMA N= 20

ASYMETRIE = 1.80

	INTERVALLE 95		INTERVALLE 90		INTERVALLE 80	
PROBABILITE	.025	.975	.050	.950	.100	.900
.034	.412	5.428	.998	4.770	1.237	4.101
.050	.663	4.457	.829	3.946	1.040	3.419
.100	.336	2.933	.465	2.618	.627	2.285
.200	-.054	1.687	.041	1.492	.158	1.281
.300	-.309	1.039	-.234	.892	-.142	.732
.400	-.501	.600	-.440	.480	-.364	.350
.500	-.655	.263	-.606	.163	-.543	.053
.600	-.785	-.013	-.745	-.099	-.694	-.192
.700	-.896	-.254	-.865	-.327	-.824	-.407
.800	-.992	-.473	-.969	-.536	-.939	-.603
.900	-1.072	-.668	-1.059	-.739	-1.041	-.794
.950	-1.101	-.804	-1.095	-.849	-1.085	-.896
.966	-1.107	-.845	-1.103	-.888	-1.097	-.932

ASYMETRIE = -1.80

	INTERVALLE 95		INTERVALLE 90		INTERVALLE 80	
PROBABILITE	.025	.975	.050	.950	.100	.900
.034	.845	1.107	.888	1.103	.932	1.097
.050	.804	1.101	.849	1.095	.896	1.085
.100	.688	1.072	.739	1.059	.794	1.041
.200	.473	.592	.536	.969	.603	.939
.300	.254	.896	.327	.865	.407	.824
.400	.013	.755	.099	.745	.192	.694
.500	-.263	.655	-.163	.606	-.053	.543
.600	-.600	.501	-.480	.440	-.350	.364
.700	-1.039	.309	-.892	.234	-.732	.142
.800	-1.687	.054	-1.492	-.041	-1.281	-.158
.900	-2.933	-.336	-2.618	-.465	-2.285	-.627
.950	-4.457	-.663	-3.946	-.829	-3.419	-1.040
.966	-5.428	-.812	-4.770	-.998	-4.101	-1.237

INTERVALLES DE CONFIANCE POUR LA LOI GAMMA N= 40

ASYMETRIE = 1.80

PROBABILITE	INTERVALLE 95 .025	INTERVALLE 95 .975	INTERVALLE 90 .050	INTERVALLE 90 .950	INTERVALLE 80 .100	INTERVALLE 80 .900
.017	1.439	6.070	1.631	5.416	1.874	4.746
.020	1.396	5.698	1.570	5.097	1.802	4.484
.050	.964	3.615	1.101	3.298	1.271	2.962
.100	.571	2.390	.676	2.192	.803	1.977
.200	.119	1.345	.193	1.219	.284	1.080
.300	-.172	.780	-.113	.684	-.041	.578
.400	-.349	.389	-.340	.311	-.282	.225
.500	-.563	.047	-.523	.021	-.475	-.051
.600	-.710	-.164	-.677	-.220	-.637	-.281
.700	-.837	-.382	-.811	-.430	-.778	-.482
.800	-.949	-.581	-.929	-.621	-.904	-.665
.900	-1.048	-.776	-1.035	-.808	-1.019	-.843
.950	-1.089	-.841	-1.083	-.908	-1.073	-.938
.980	-1.108	-.955	-1.105	-.979	-1.101	-1.004
.983	-1.109	-.962	-1.107	-.986	-1.103	-1.011

ASYMETRIE = -1.80

PROBABILITE	INTERVALLE 95 .025	INTERVALLE 95 .975	INTERVALLE 90 .050	INTERVALLE 90 .950	INTERVALLE 80 .100	INTERVALLE 80 .900
.017	.962	1.109	.986	1.107	1.011	1.103
.020	.956	1.108	.979	1.105	1.004	1.101
.050	.881	1.049	.908	1.083	.938	1.073
.100	.776	1.048	.808	1.035	.843	1.019
.200	.581	.969	.621	.969	.665	.904
.300	.382	.837	.430	.811	.482	.778
.400	.164	.710	.220	.677	.281	.637
.500	-.047	.563	-.021	.523	.051	.475
.600	-.349	.389	-.311	.340	-.225	.282
.700	-.740	.172	-.684	.113	-.578	.041
.800	-1.345	-.119	-1.219	-.193	-1.080	-.284
.900	-2.390	-.571	-2.192	-.676	-1.977	-.803
.950	-3.615	-.964	-3.298	-1.101	-2.962	-1.271
.980	-5.[illegible]	-1.[illegible]	-5.047	-1.570	-4.484	-1.802
.983	-6.070	-1.439	-5.416	-1.631	-4.746	-1.874

INTERVALLES DE CONFIANCE POUR LA LOI GAMMA N= 60

ASYMETRIE = 1.80

PROBABILITE	INTERVALLE 95 .025	INTERVALLE 95 .975	INTERVALLE 90 .050	INTERVALLE 90 .950	INTERVALLE 80 .100	INTERVALLE 80 .900
.012	1.513	6.472	2.006	5.795	2.251	5.124
.020	1.589	5.047	1.754	4.631	1.960	4.160
.050	1.117	3.264	1.237	3.023	1.384	2.764
.100	.688	2.167	.778	2.013	.887	1.846
.200	.209	1.202	.267	1.104	.344	.995
.300	-.105	.671	-.054	.596	.006	.512
.400	-.334	.301	-.243	.240	-.243	.171
.500	-.518	.013	-.444	-.039	-.442	-.096
.600	-.674	-.227	-.594	-.270	-.610	-.319
.700	-.807	-.435	-.734	-.473	-.756	-.514
.800	-.925	-.626	-.909	-.667	-.887	-.691
.900	-1.034	-.812	-1.022	-.837	-1.008	-.864
.950	-1.081	-.911	-1.075	-.932	-1.066	-.955
.980	-1.105	-.981	-1.102	-.999	-1.098	-1.018
.988	-1.114	-1.005	-1.108	-1.022	-1.105	-1.039

ASYMETRIE = -1.80

PROBABILITE	INTERVALLE 95 .025	INTERVALLE 95 .975	INTERVALLE 90 .050	INTERVALLE 90 .950	INTERVALLE 80 .100	INTERVALLE 80 .900
.012	1.005	1.109	1.022	1.108	1.039	1.105
.020	.981	1.105	.999	1.102	1.018	1.098
.050	.911	1.081	.932	1.075	.955	1.066
.100	.812	1.034	.837	1.022	.864	1.008
.200	.626	.925	.657	.909	.691	.887
.300	.435	.807	.473	.764	.514	.756
.400	.227	.673	.270	.644	.319	.610
.500	-.013	.518	.039	.484	.096	.442
.600	-.301	.334	-.240	.293	-.171	.243
.700	-.671	.105	-.596	.054	-.512	-.006
.800	-1.202	-.293	-1.104	-.267	-.995	-.344
.900	-2.167	-.688	-2.013	-.778	-1.846	-.887
.950	-3.264	-1.117	-3.023	-1.237	-2.764	-1.384
.980	-5.047	-1.589	-4.631	-1.754	-4.160	-1.960
.988	-6.472	-1.513	-5.795	-2.006	-5.124	-2.251

INTERVALLES DE CONFIANCE POUR LA LOI GAMMA N= 80

ASYMETRIE = 1.80

PROBABILITE	INTERVALLE 95 .025	INTERVALLE 95 .975	INTERVALLE 90 .050	INTERVALLE 90 .950	INTERVALLE 80 .100	INTERVALLE 80 .900
.010	2.030	6.394	2.215	5.754	2.450	5.142
.020	1.729	4.729	1.871	4.356	2.059	3.966
.050	1.214	3.065	1.323	2.865	1.455	2.649
.100	.761	2.039	.842	1.911	.940	1.769
.200	.255	1.120	.313	1.037	.381	.945
.300	-.053	.609	-.018	.545	.036	.474
.400	-.301	.250	-.263	.198	-.219	.140
.500	-.499	-.030	-.459	-.073	-.422	-.122
.600	-.668	-.263	-.624	-.300	-.593	-.341
.700	-.788	-.466	-.767	-.497	-.742	-.532
.800	-.912	-.652	-.896	-.678	-.877	-.707
.900	-1.024	-.832	-1.014	-.853	-1.001	-.875
.950	-1.076	-.928	-1.069	-.946	-1.061	-.964
.980	-1.103	-.996	-1.100	-1.010	-1.095	-1.026
.990	-1.109	-1.023	-1.108	-1.037	-1.106	-1.051

ASYMETRIE = -1.80

PROBABILITE	INTERVALLE 95 .025	INTERVALLE 95 .975	INTERVALLE 90 .050	INTERVALLE 90 .950	INTERVALLE 80 .100	INTERVALLE 80 .900
.010	1.023	1.109	1.037	1.108	1.051	1.106
.020	.936	1.103	1.010	1.100	1.026	1.095
.050	.922	1.076	.946	1.069	.964	1.061
.100	.832	1.024	.853	1.014	.875	1.001
.200	.652	.912	.678	.896	.707	.877
.300	.466	.788	.497	.767	.532	.742
.400	.263	.649	.300	.624	.341	.593
.500	.030	.490	.073	.459	.122	.422
.600	-.250	.300	-.198	.263	-.140	.219
.700	-.609	.063	-.545	.018	-.474	-.036
.800	-1.120	-.255	-1.037	-.313	-.945	-.381
.900	-2.039	-.761	-1.911	-.842	-1.769	-.940
.950	-3.065	-1.214	-2.865	-1.323	-2.649	-1.455
.980	-4.729	-1.720	-4.356	-1.871	-3.966	-2.059
.990	-6.394	-2.030	-5.754	-2.215	-5.142	-2.450

INTERVALLES DE CONFIANCE POUR LA LOI GAMMA N= 100

ASYMETRIE = 1.80

PROBABILITE	INTERVALLE 95 .025	INTERVALLE 95 .975	INTERVALLE 90 .050	INTERVALLE 90 .950	INTERVALLE 80 .100	INTERVALLE 80 .900
.010	2.147	6.022	2.321	5.489	2.540	4.956
.020	1.815	4.492	1.956	4.171	2.130	3.835
.050	1.283	2.934	1.383	2.761	1.504	2.572
.100	.813	1.954	.887	1.842	.976	1.718
.200	.292	1.065	.345	.993	.407	.911
.300	-.034	.567	.007	.511	.056	.448
.400	-.276	.216	-.242	.170	-.202	.119
.500	-.470	-.058	-.442	-.097	-.408	-.140
.600	-.633	-.287	-.609	-.320	-.582	-.356
.700	-.775	-.487	-.756	-.514	-.733	-.545
.800	-.903	-.669	-.887	-.692	-.869	-.717
.900	-1.018	-.846	-1.008	-.864	-.995	-.883
.950	-1.072	-.940	-1.065	-.955	-1.057	-.971
.980	-1.102	-1.005	-1.098	-1.018	-1.094	-1.031
.990	-1.109	-1.032	-1.107	-1.043	-1.105	-1.055

ASYMETRIE = -1.80

PROBABILITE	INTERVALLE 95 .025	INTERVALLE 95 .975	INTERVALLE 90 .050	INTERVALLE 90 .950	INTERVALLE 80 .100	INTERVALLE 80 .900
.010	1.032	1.109	1.043	1.107	1.055	1.105
.020	1.005	1.102	1.018	1.098	1.031	1.094
.050	.940	1.072	.955	1.065	.971	1.057
.100	.846	1.018	.864	1.008	.883	.995
.200	.669	.902	.692	.887	.717	.869
.300	.487	.775	.514	.756	.545	.733
.400	.287	.633	.320	.609	.356	.582
.500	.058	.470	.097	.442	.140	.408
.600	-.216	.276	-.170	.242	-.119	.202
.700	-.567	.034	-.511	-.007	-.448	-.056
.800	-1.065	-.292	-.993	-.345	-.911	-.407
.900	-1.954	-.813	-1.842	-.887	-1.718	-.976
.950	-2.934	-1.283	-2.761	-1.383	-2.572	-1.504
.980	-4.492	-1.815	-4.171	-1.956	-3.835	-2.130
.990	-6.022	-2.147	-5.489	-2.321	-4.956	-2.540

INTERVALLES DE CONFIANCE POUR LA LOI GAMMA N= 10

ASYMETRIE = 1.90

PROBABILITE	INTERVALLE 95 .025	.975	INTERVALLE 90 .050	.950	INTERVALLE 80 .100	.900
.067	.194	4.883	.370	4.202	.599	3.508
.100	.042	3.818	.194	3.297	.391	2.760
.200	-.272	2.227	-.161	1.910	-.019	1.576
.300	-.479	1.432	-.393	1.196	-.281	.946
.400	-.634	.908	-.565	.719	-.476	.517
.500	-.756	.516	-.701	.358	-.629	.190
.600	-.855	.199	-.812	.065	-.756	-.077
.700	-.935	-.072	-.904	-.187	-.862	-.307
.800	-.998	-.316	-.978	-.413	-.950	-.515
.900	-1.040	-.551	-1.033	-.631	-1.020	-.713
.933	-1.048	-.632	-1.044	-.705	-1.036	-.780

ASYMETRIE = -1.90

PROBABILITE	INTERVALLE 95 .025	.975	INTERVALLE 90 .050	.950	INTERVALLE 80 .100	.900
.067	.632	1.048	.705	1.044	.780	1.036
.100	.551	1.040	.631	1.033	.713	1.020
.200	.316	.998	.413	.978	.515	.950
.300	.072	.935	.187	.904	.307	.862
.400	-.199	.855	-.065	.812	.077	.756
.500	-.516	.756	-.358	.701	-.190	.629
.600	-.908	.634	-.719	.565	-.517	.476
.700	-1.432	.479	-1.196	.393	-.946	.281
.800	-2.227	.272	-1.910	.161	-1.576	.019
.900	-3.818	-.042	-3.297	-.194	-2.760	-.391
.933	-4.883	-.194	-4.202	-.370	-3.508	-.599

INTERVALLES DE CONFIANCE POUR LA LOI GAMMA N= 20

ASYMETRIE = 1.90

PROBABILITE	INTERVALLE 95 .025	.975	INTERVALLE 90 .050	.950	INTERVALLE 80 .100	.900
.034	.797	5.558	.986	4.872	1.228	4.177
.050	.647	4.549	.815	4.016	1.028	3.471
.100	.317	2.968	.447	2.644	.610	2.301
.200	-.070	1.688	.023	1.488	.139	1.273
.300	-.321	1.028	-.248	.878	-.157	.716
.400	-.507	.583	-.448	.462	-.375	.331
.500	-.655	.245	-.607	.145	-.548	.036
.600	-.776	-.031	-.738	-.115	-.691	-.207
.700	-.877	-.267	-.848	-.339	-.811	-.416
.800	-.961	-.480	-.941	-.540	-.915	-.605
.900	-1.025	-.685	-1.016	-.733	-1.002	-.784
.950	-1.046	-.793	-1.042	-.835	-1.036	-.877
.966	-1.050	-.831	-1.048	-.869	-1.044	-.909

ASYMETRIE = -1.90

PROBABILITE	INTERVALLE 95 .025	.975	INTERVALLE 90 .050	.950	INTERVALLE 80 .100	.900
.034	.831	1.050	.869	1.048	.909	1.044
.050	.793	1.046	.835	1.042	.877	1.036
.100	.685	1.025	.733	1.016	.784	1.002
.200	.480	.961	.540	.941	.605	.915
.300	.267	.877	.339	.848	.416	.811
.400	.031	.776	.115	.738	.207	.691
.500	-.245	.655	-.145	.607	-.036	.548
.600	-.583	.507	-.462	.448	-.331	.375
.700	-1.028	.321	-.878	.248	-.716	.157
.800	-1.688	.070	-1.488	-.023	-1.273	-.139
.900	-2.968	-.317	-2.644	-.447	-2.301	-.610
.950	-4.549	-.647	-4.016	-.815	-3.471	-1.028
.966	-5.558	-.797	-4.872	-.986	-4.177	-1.228

INTERVALLES DE CONFIANCE POUR LA LOI GAMMA N= 40

ASYMETRIE = 1.90

	INTERVALLE 95		INTERVALLE 90		INTERVALLE 80	
PROBABILITE	.025	.975	.050	.950	.100	.900
.012	1.435	6.306	1.630	5.942	1.879	4.847
.020	1.343	5.471	1.569	5.219	1.806	4.577
.050	.951	3.673	1.091	3.345	1.263	2.998
.100	.554	2.409	.659	2.205	.788	1.984
.200	.109	1.338	.175	1.210	.266	1.069
.300	-.147	.765	-.129	.668	-.058	.561
.400	-.391	.371	-.352	.293	-.295	.206
.500	-.567	.069	-.529	.004	-.482	-.068
.600	-.704	-.170	-.675	-.234	-.637	-.294
.700	-.823	-.392	-.799	-.438	-.769	-.489
.800	-.923	-.584	-.906	-.622	-.884	-.664
.900	-1.007	-.767	-.997	-.797	-.984	-.829
.950	-1.039	-.863	-1.034	-.889	-1.026	-.914
.980	-1.051	-.928	-1.049	-.949	-1.047	-.971
.988	-1.051	-.935	-1.050	-.955	-1.048	-.976

ASYMETRIE = -1.90

	INTERVALLE 95		INTERVALLE 90		INTERVALLE 80	
PROBABILITE	.025	.975	.050	.950	.100	.900
.012	.935	1.051	.955	1.050	.976	1.048
.020	.924	1.051	.949	1.049	.971	1.047
.050	.843	1.039	.886	1.034	.914	1.026
.100	.767	1.007	.797	.997	.829	.984
.200	.584	.923	.622	.906	.664	.884
.300	.392	.823	.438	.799	.489	.769
.400	.179	.704	.234	.675	.294	.637
.500	-.069	.567	-.004	.529	.068	.482
.600	-.371	.399	-.293	.352	-.206	.295
.700	-.755	.147	-.668	.129	-.561	.058
.800	-1.333	-.100	-1.210	-.175	-1.069	-.266
.900	-2.409	-.554	-2.205	-.659	-1.984	-.788
.950	-3.673	-.951	-3.345	-1.091	-2.998	-1.263
.980	-5.471	-1.343	-5.219	-1.569	-4.577	-1.806
.988	-6.306	-1.435	-5.942	-1.630	-4.847	-1.879

INTERVALLES DE CONFIANCE POUR LA LOI GAMMA N= 60

ASYMETRIE = 1.90

	INTERVALLE 95		INTERVALLE 90		INTERVALLE 80	
PROBABILITE	.025	.975	.050	.950	.100	.900
.012	1.816	6.743	2.014	5.944	2.265	5.242
.020	1.590	5.214	1.757	4.733	1.968	4.239
.050	1.106	3.310	1.228	3.061	1.378	2.794
.100	.672	2.180	.763	2.022	.873	1.850
.200	.184	1.193	.249	1.093	.326	.982
.300	-.121	.655	-.071	.579	-.011	.495
.400	-.346	.283	-.305	.221	-.257	.153
.500	-.524	-.005	-.491	-.056	-.451	-.112
.600	-.671	-.241	-.644	-.284	-.611	-.331
.700	-.796	-.444	-.775	-.480	-.749	-.520
.800	-.904	-.627	-.888	-.656	-.869	-.688
.900	-.995	-.800	-.986	-.823	-.974	-.847
.950	-1.033	-.890	-1.028	-.909	-1.021	-.928
.980	-1.049	-.951	-1.048	-.966	-1.044	-.982
.988	-1.052	-.971	-1.051	-.985	-1.049	-1.000

ASYMETRIE = -1.90

	INTERVALLE 95		INTERVALLE 90		INTERVALLE 80	
PROBABILITE	.025	.975	.050	.950	.100	.900
.012	.971	1.052	.985	1.051	1.000	1.049
.020	.951	1.049	.966	1.048	.982	1.044
.050	.890	1.033	.909	1.028	.928	1.021
.100	.800	.995	.823	.986	.847	.974
.200	.627	.904	.656	.888	.688	.869
.300	.444	.796	.480	.775	.520	.749
.400	.241	.671	.284	.644	.331	.611
.500	.005	.524	.056	.491	.112	.451
.600	-.283	.346	-.221	.305	-.153	.257
.700	-.655	.121	-.579	.071	-.495	.011
.800	-1.193	-.184	-1.093	-.249	-.982	-.326
.900	-2.180	-.672	-2.022	-.763	-1.850	-.873
.950	-3.310	-1.106	-3.061	-1.228	-2.794	-1.378
.980	-5.214	-1.590	-4.733	-1.757	-4.239	-1.968
.988	-6.743	-1.816	-5.944	-2.014	-5.242	-2.265

INTERVALLES DE CONFIANCE POUR LA LOI GAMMA N= 80

ASYMETRIE = 1.90

	INTERVALLE 95		INTERVALLE 90		INTERVALLE 80	
PROBABILITE	.025	.975	.050	.950	.100	.900
.010	2.044	6.698	2.232	5.924	2.472	5.267
.020	1.722	4.836	1.877	4.445	2.069	4.037
.050	1.205	3.105	1.316	2.898	1.450	2.675
.100	.746	2.048	.828	1.917	.926	1.772
.200	.237	1.110	.294	1.025	.363	.931
.300	-.080	.592	-.035	.528	.018	.456
.400	-.312	.232	-.276	.180	-.233	.122
.500	-.496	-.047	-.467	-.090	-.431	-.138
.600	-.649	-.276	-.625	-.312	-.596	-.353
.700	-.778	-.474	-.759	-.504	-.736	-.537
.800	-.891	-.651	-.876	-.676	-.859	-.703
.900	-.988	-.819	-.979	-.838	-.968	-.858
.950	-1.029	-.905	-1.024	-.921	-1.017	-.937
.980	-1.048	-.964	-1.046	-.976	-1.043	-.989
.990	-1.052	-.987	-1.051	-.998	-1.050	-1.009

ASYMETRIE = -1.90

	INTERVALLE 95		INTERVALLE 90		INTERVALLE 80	
PROBABILITE	.025	.975	.050	.950	.100	.900
.010	.987	1.052	.998	1.051	1.009	1.050
.020	.964	1.048	.976	1.046	.989	1.043
.050	.905	1.029	.921	1.024	.937	1.017
.100	.819	.988	.838	.979	.858	.968
.200	.651	.891	.676	.876	.703	.859
.300	.474	.778	.504	.759	.537	.736
.400	.276	.649	.312	.625	.353	.596
.500	.047	.496	.090	.467	.138	.431
.600	-.232	.312	-.180	.276	-.122	.233
.700	-.592	.080	-.528	.035	-.456	-.018
.800	-1.110	-.237	-1.025	-.294	-.931	-.363
.900	-2.048	-.746	-1.917	-.828	-1.772	-.926
.950	-3.105	-1.205	-2.898	-1.316	-2.675	-1.450
.980	-4.836	-1.722	-4.445	-1.877	-4.037	-2.069
.990	-6.698	-2.044	-5.924	-2.232	-5.267	-2.472

INTERVALLES DE CONFIANCE POUR LA LOI GAMMA N= 100

ASYMETRIE = 1.90

	INTERVALLE 95		INTERVALLE 90		INTERVALLE 80	
PROBABILITE	.025	.975	.050	.950	.100	.900
.010	2.167	6.298	2.343	5.659	2.566	5.075
.020	1.819	4.587	1.963	4.250	2.142	3.901
.050	1.275	2.969	1.377	2.790	1.501	2.596
.100	.798	1.962	.873	1.847	.963	1.720
.200	.274	1.054	.326	.980	.389	.897
.300	-.051	.550	-.010	.493	.038	.430
.400	-.289	.197	-.256	.152	-.217	.101
.500	-.477	-.075	-.450	-.113	-.418	-.155
.600	-.633	-.300	-.611	-.332	-.585	-.367
.700	-.766	-.494	-.748	-.520	-.727	-.549
.800	-.881	-.667	-.868	-.689	-.852	-.712
.900	-.982	-.831	-.974	-.847	-.963	-.865
.950	-1.025	-.915	-1.021	-.928	-1.014	-.942
.980	-1.047	-.972	-1.045	-.982	-1.041	-.993
.990	-1.051	-.994	-1.050	-1.003	-1.049	-1.013

ASYMETRIE = -1.90

	INTERVALLE 95		INTERVALLE 90		INTERVALLE 80	
PROBABILITE	.025	.975	.050	.950	.100	.900
.010	.994	1.051	1.003	1.050	1.013	1.049
.020	.972	1.047	.982	1.045	.993	1.041
.050	.915	1.025	.928	1.021	.942	1.014
.100	.831	.982	.847	.974	.865	.963
.200	.667	.881	.689	.868	.712	.852
.300	.494	.766	.520	.748	.549	.727
.400	.300	.633	.332	.611	.367	.585
.500	.075	.477	.113	.450	.155	.418
.600	-.197	.289	-.152	.256	-.101	.217
.700	-.550	.051	-.493	.010	-.430	-.038
.800	-1.054	-.274	-.980	-.326	-.897	-.389
.900	-1.962	-.798	-1.847	-.873	-1.720	-.963
.950	-2.969	-1.275	-2.790	-1.377	-2.596	-1.501
.980	-4.587	-1.819	-4.250	-1.963	-3.901	-2.142
.990	-6.298	-2.167	-5.659	-2.343	-5.075	-2.566

ANNEXE B

COURBES D'INTERVALLE DE CONFIANCE POUR:

C_s = + (.1; 1.9) pas: .1

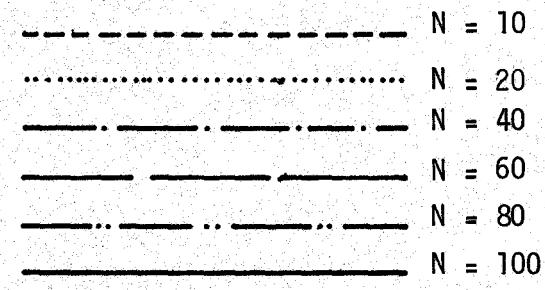
N = 10, 20, 40, 60, 80, 100

Niveau de confiance: 95%; 90%; 80%

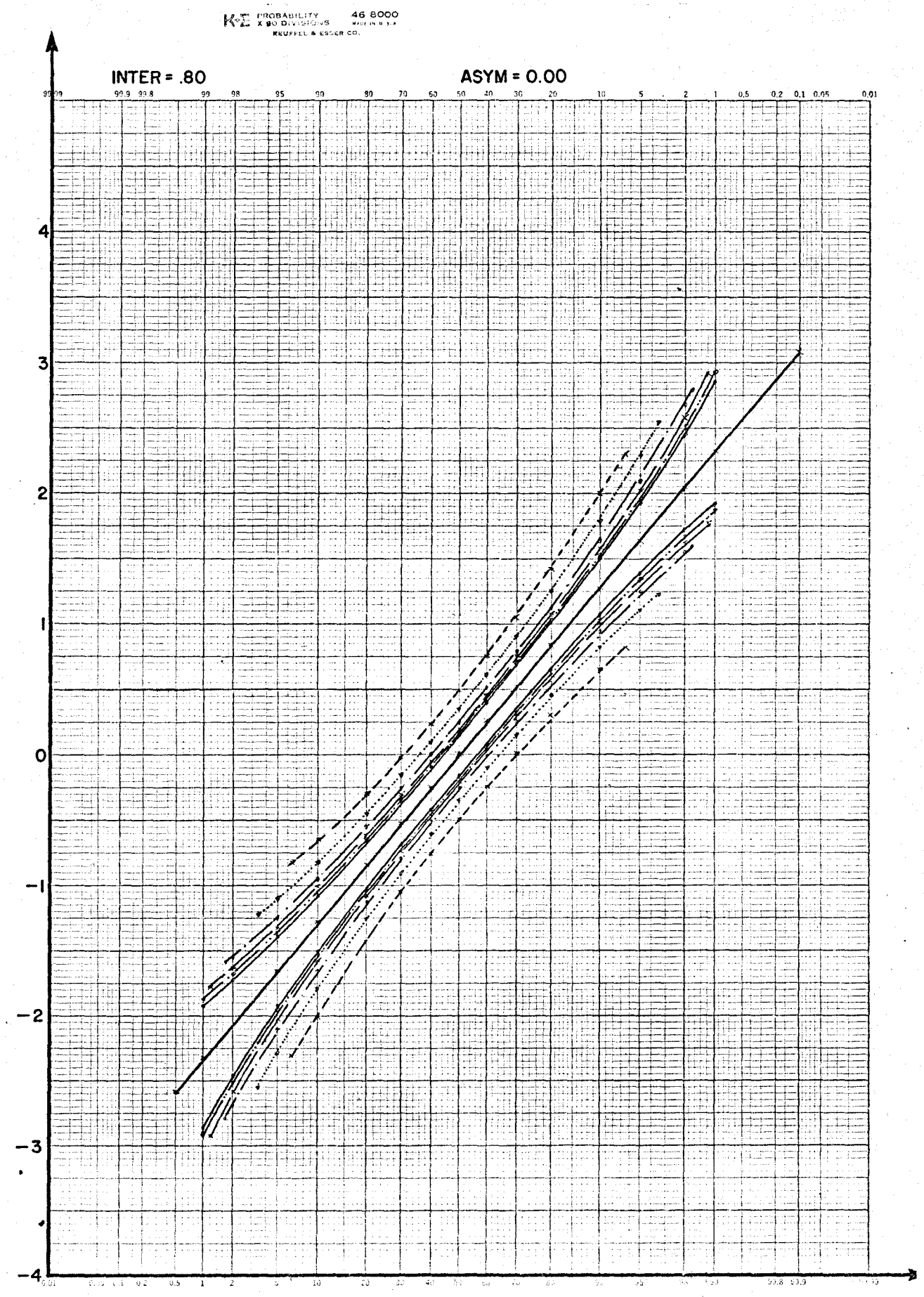
En ordonnée figure la variable standardisée.
Sur l'axe horizontal inférieure figure la probabilité au non-dépassement.
Sur l'axe horizontal supérieur figure la probabilité au dépassement.

La courbe centrale de chaque graphique représente la fonction de distribution cumulée théorique de la loi Pearson III standardisée pour le coefficient d'asymétrie considéré.

INRS-Eau



Sur tous les graphiques, les courbes correspondant aux différentes valeurs de N suivent les notations ci-dessus.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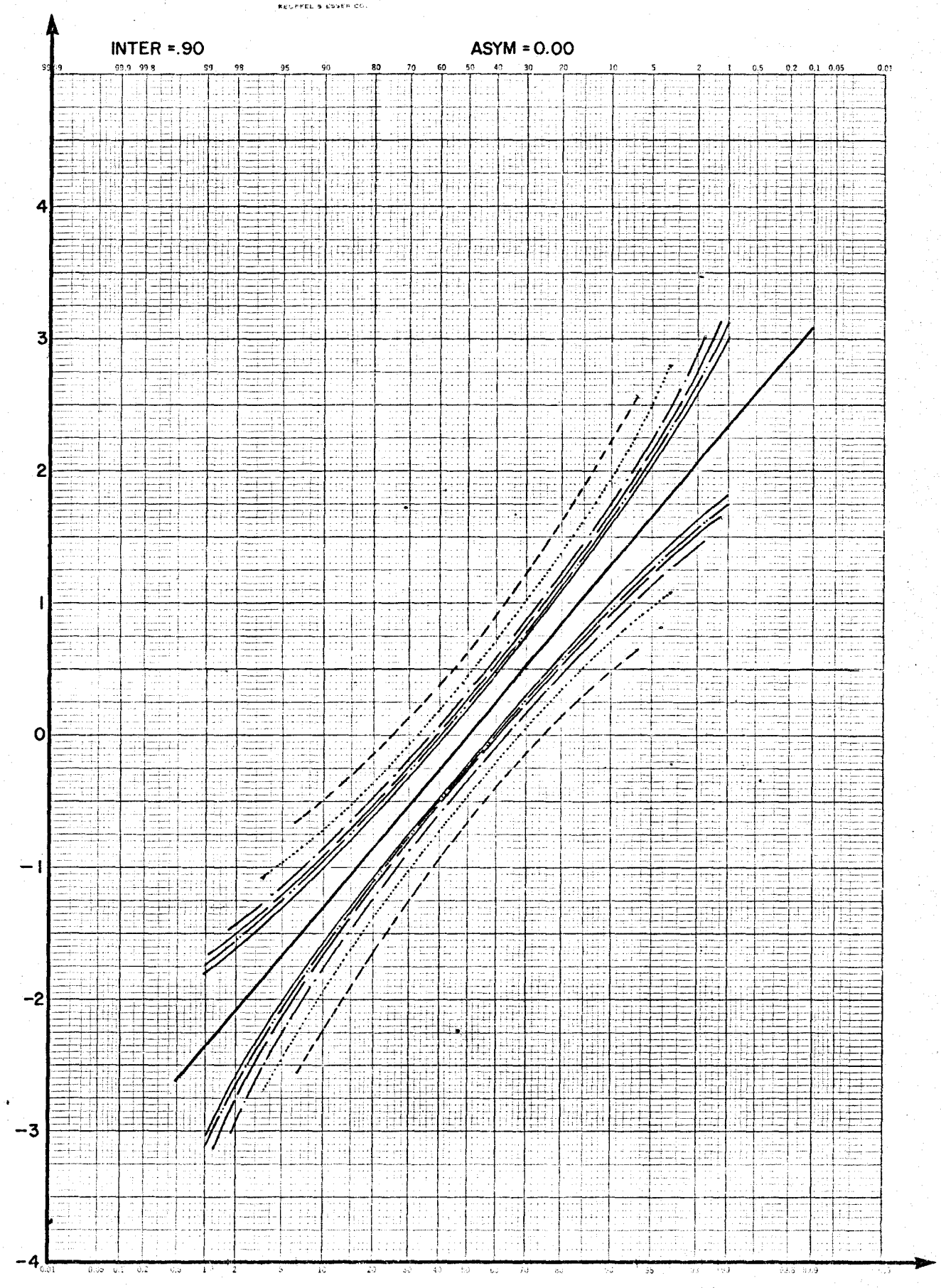
−3
−4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-2
-3
-4
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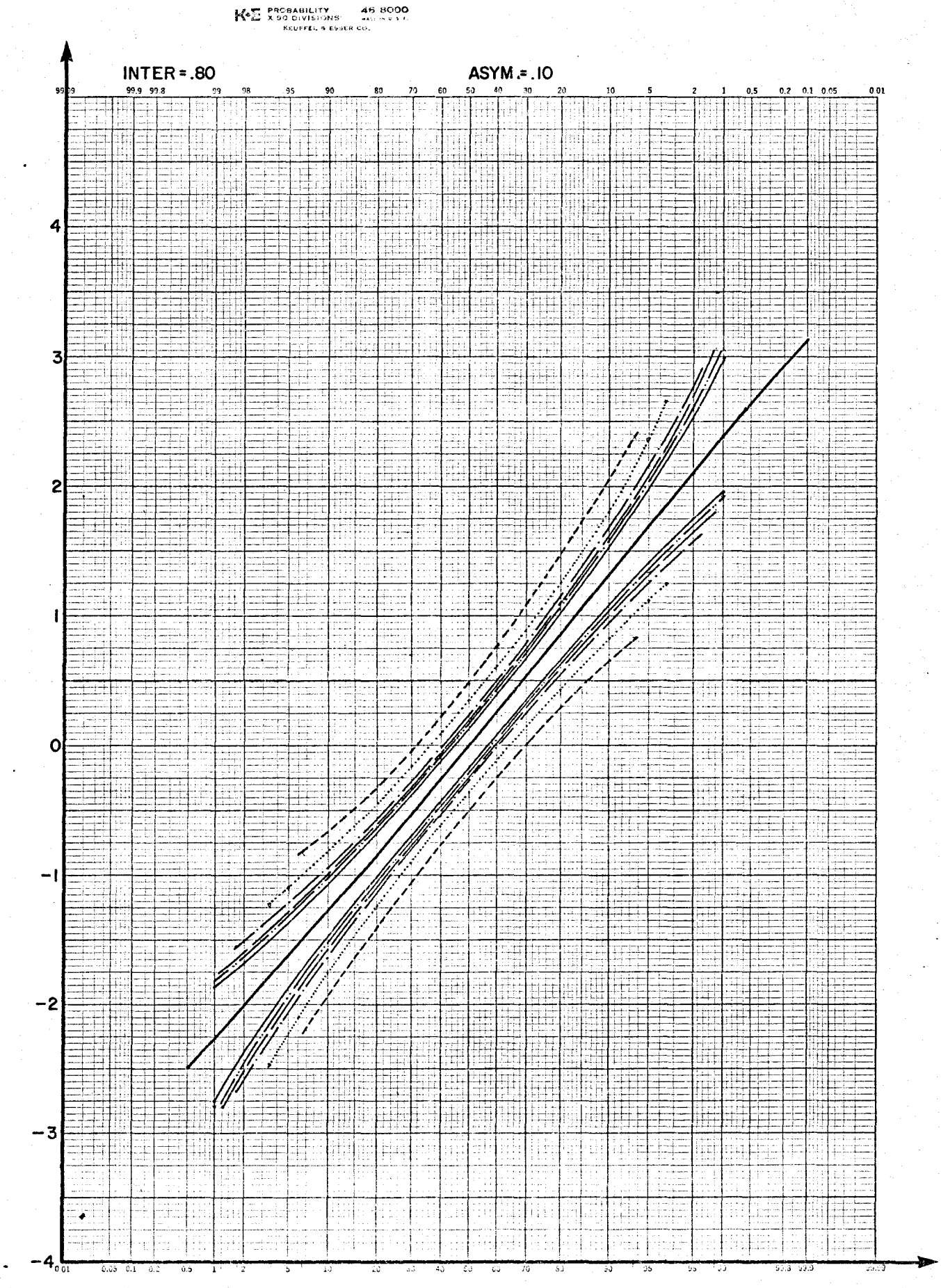
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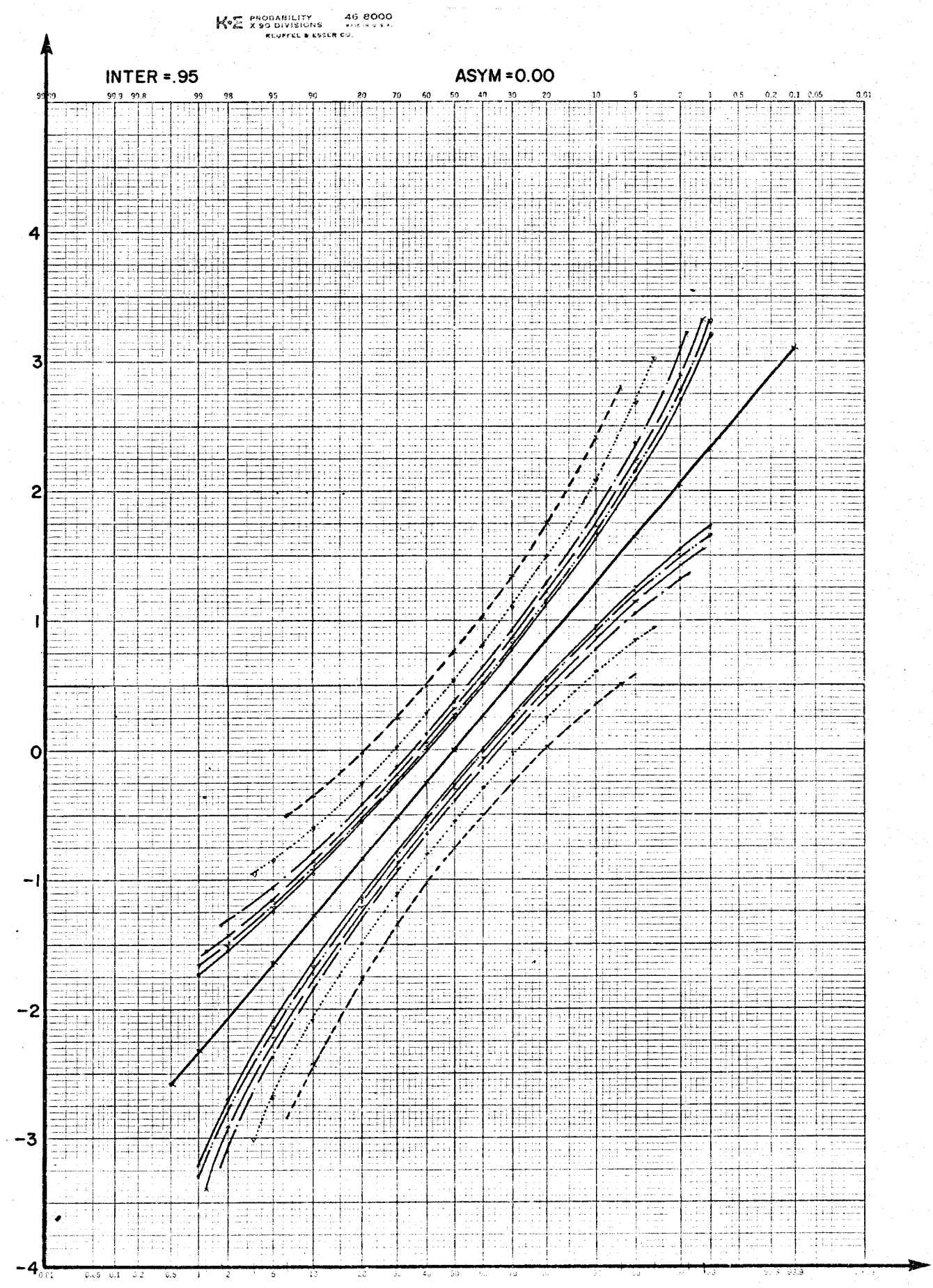
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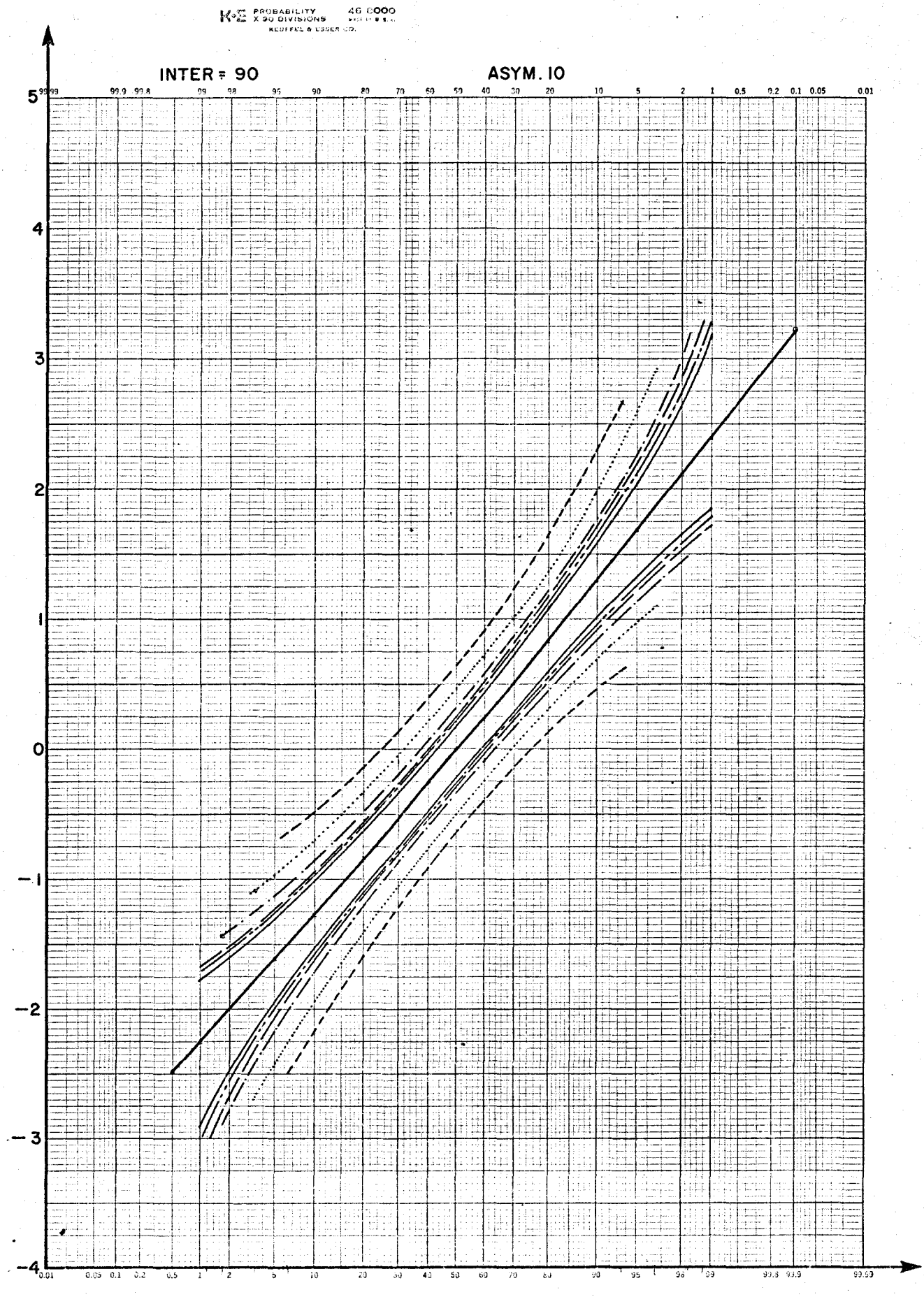
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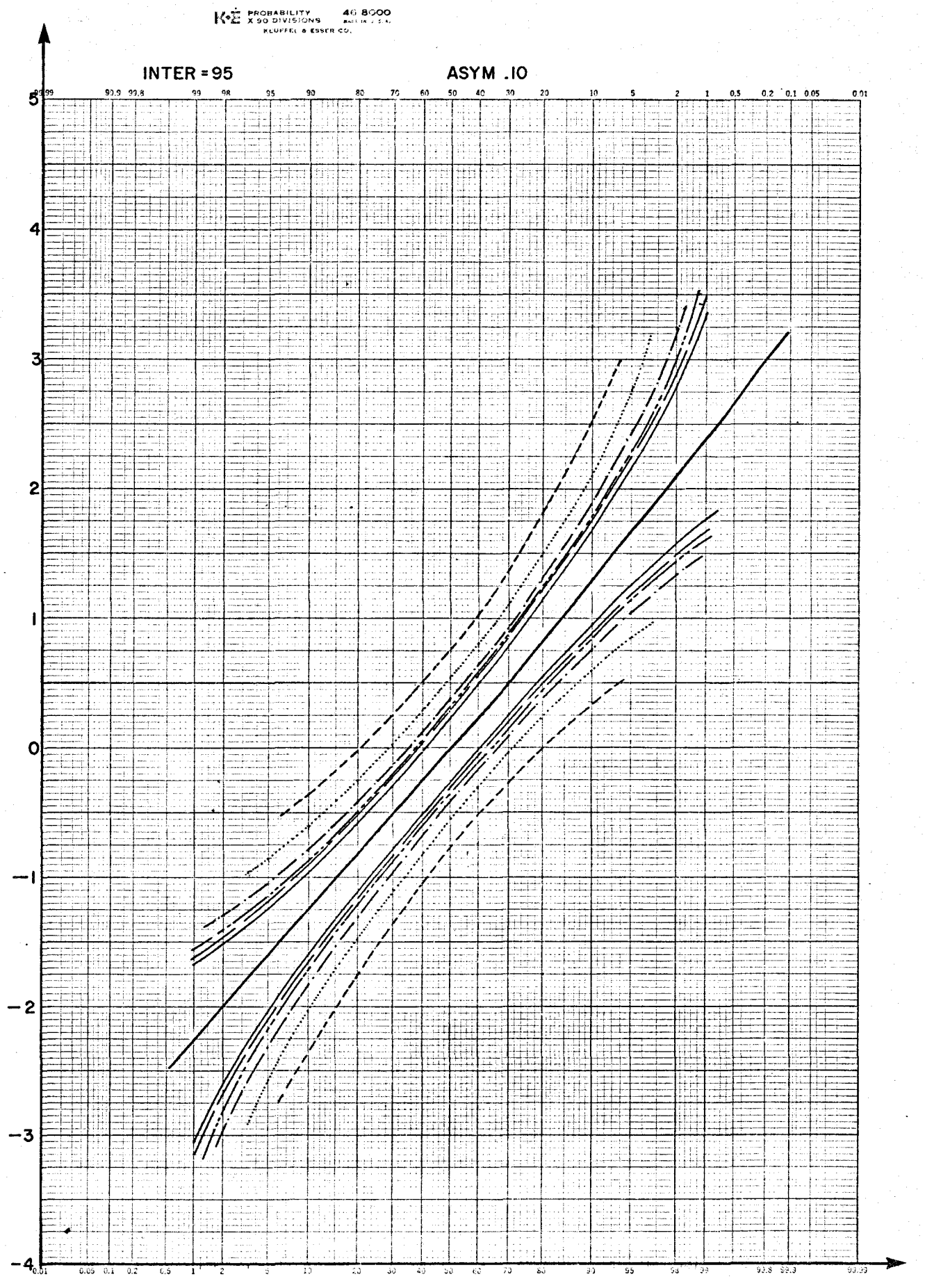
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KEUFFEL & ESSER CO.
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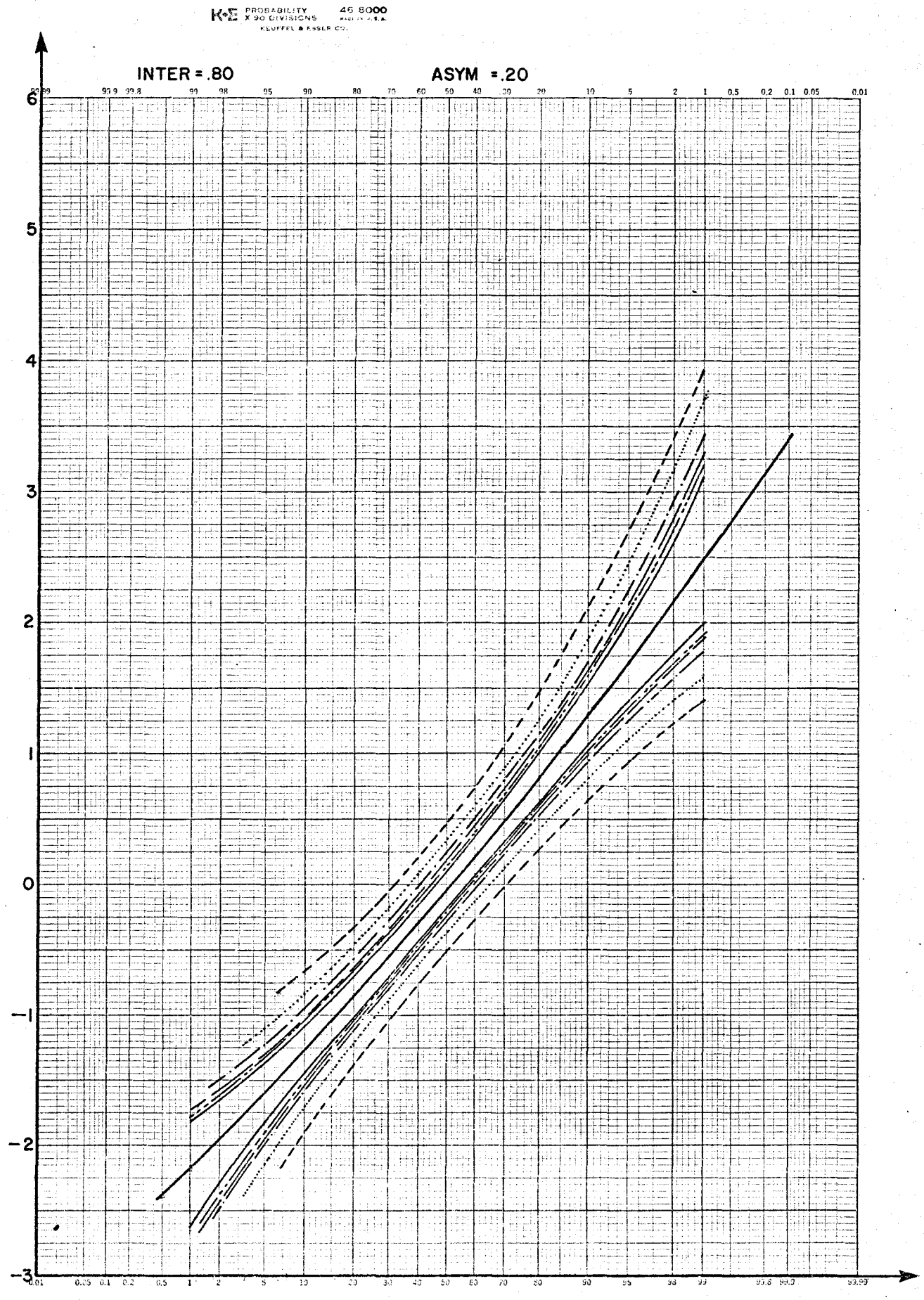
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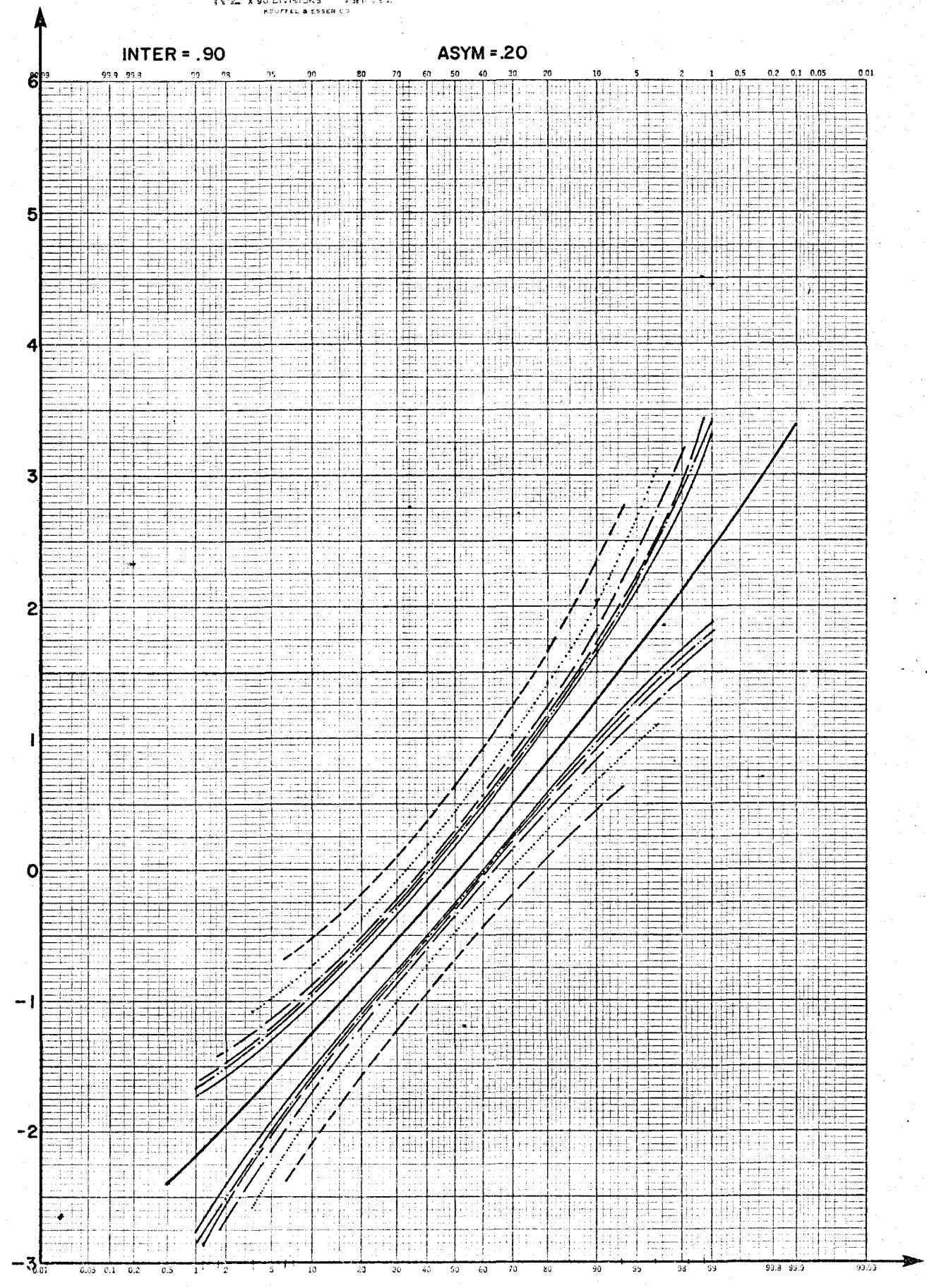
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KEUFFEL & ESSER CO.
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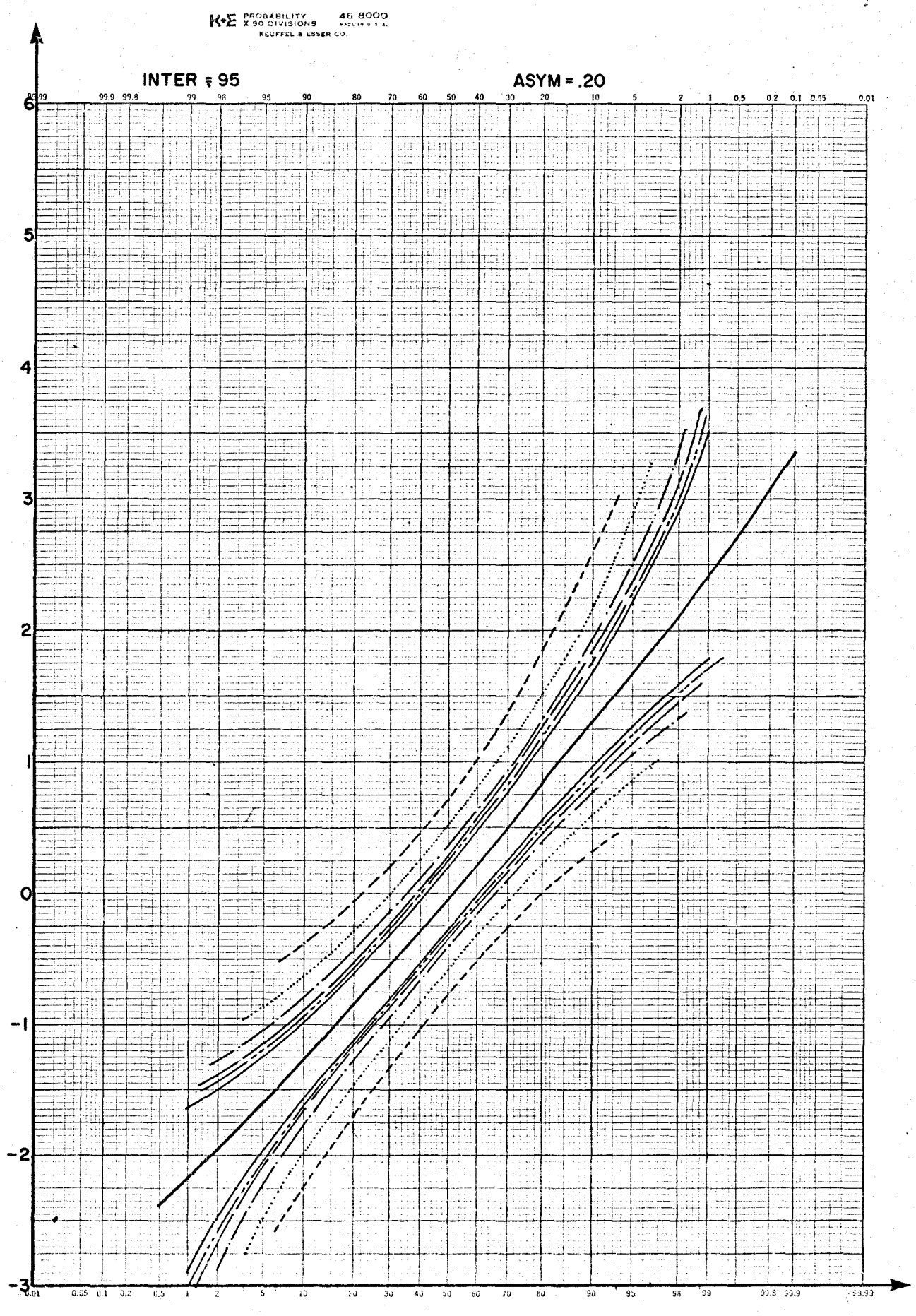
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ASYM = .20
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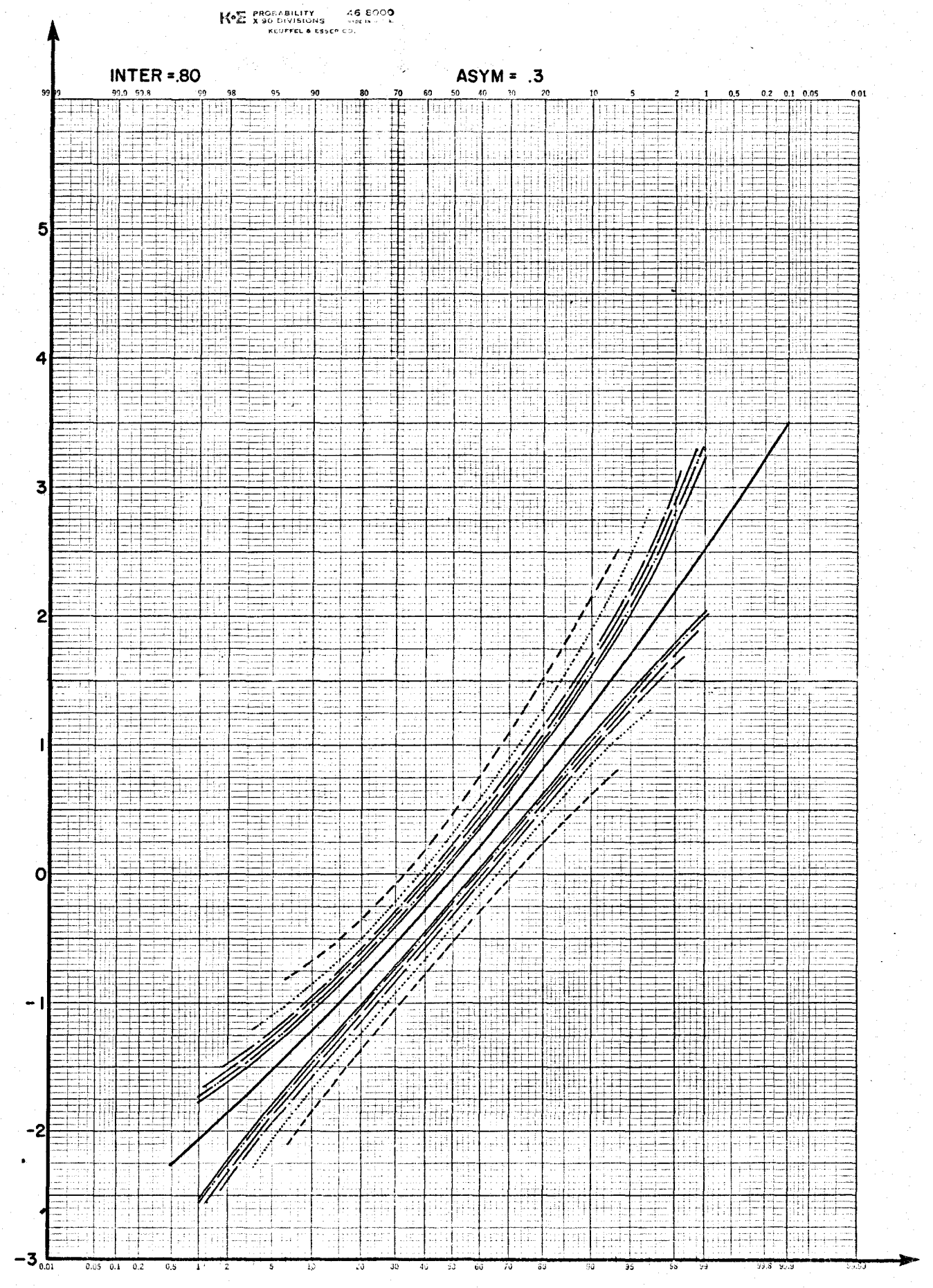
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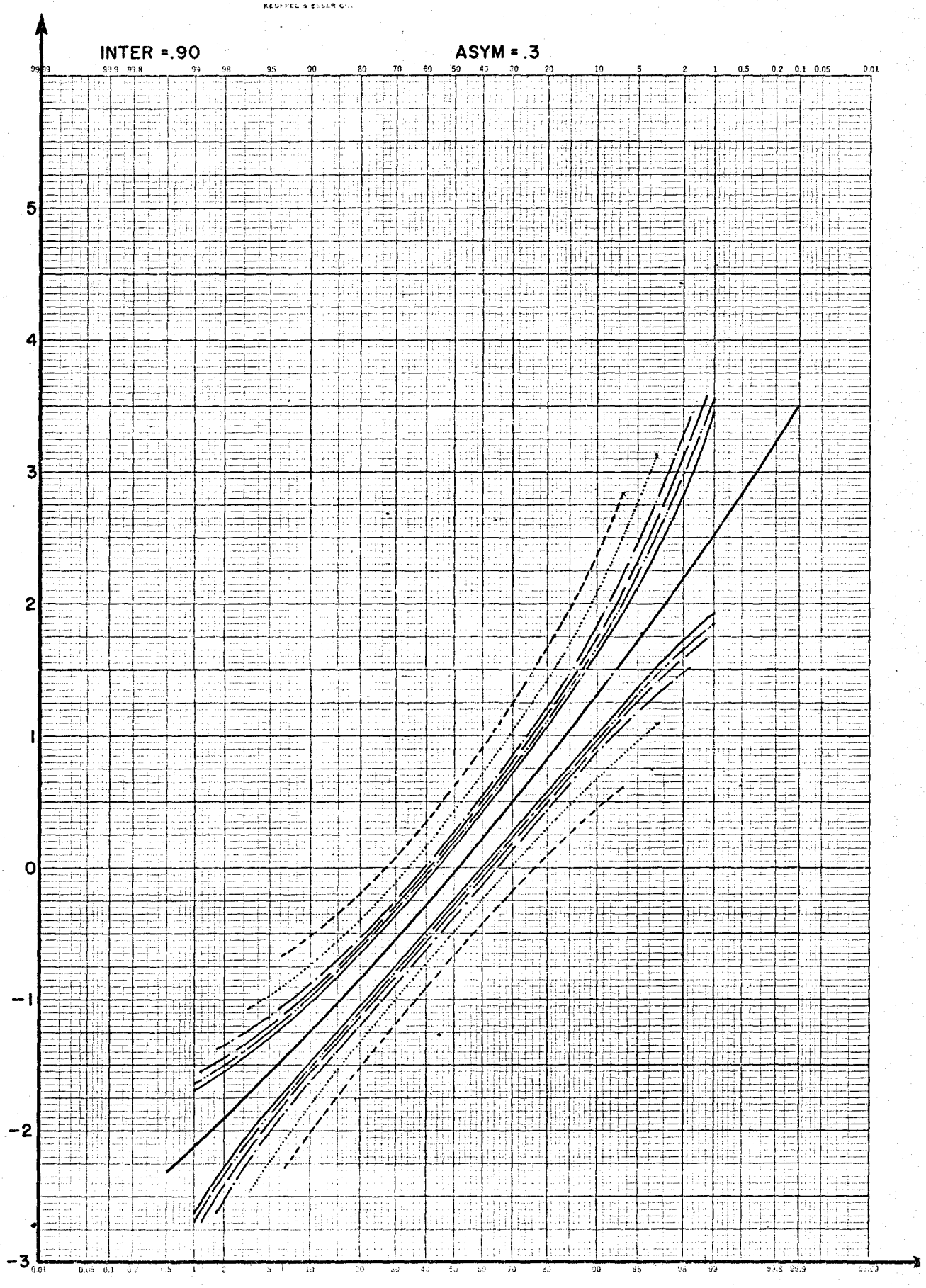

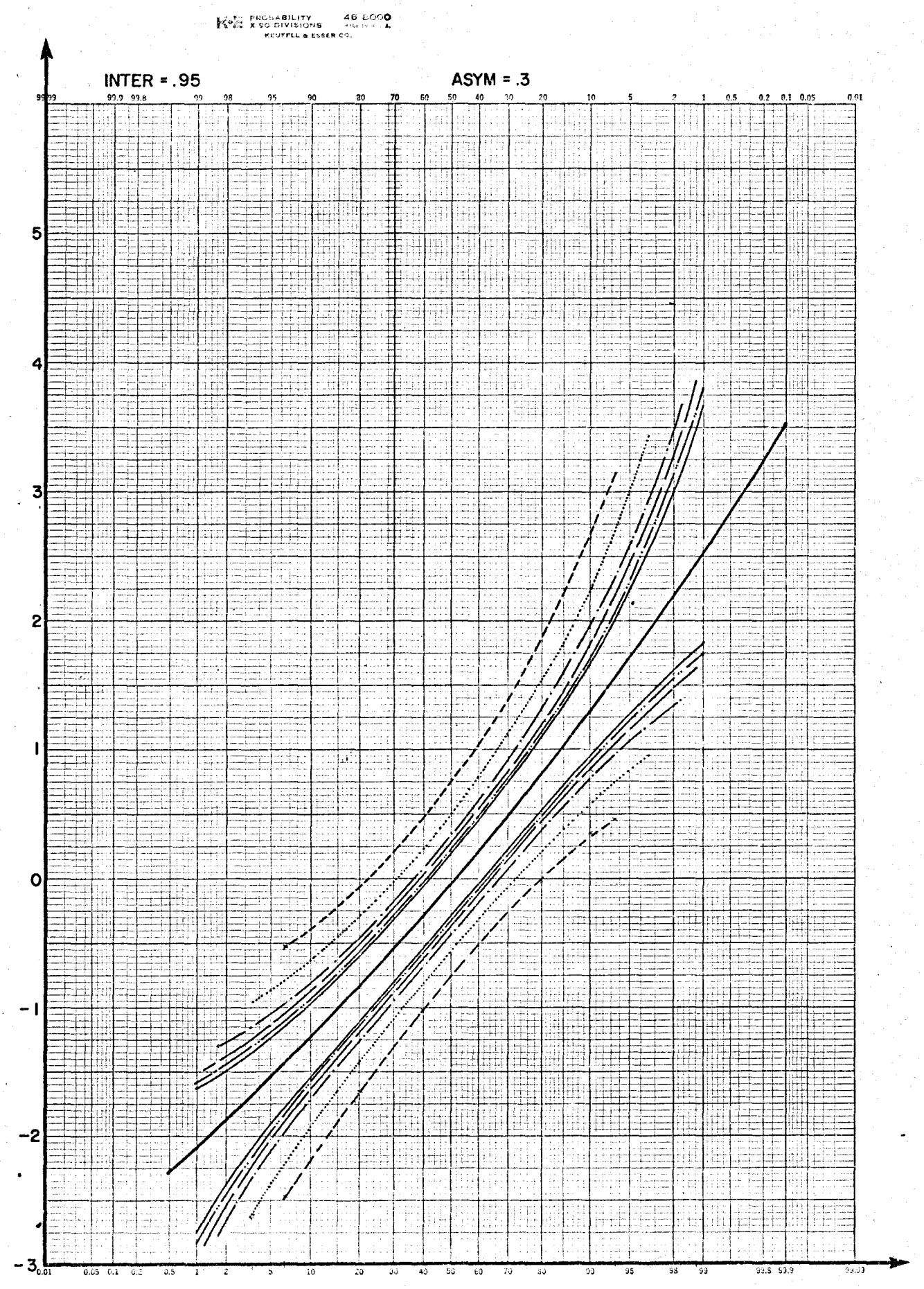
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KEUFFEL & ESSER CO.
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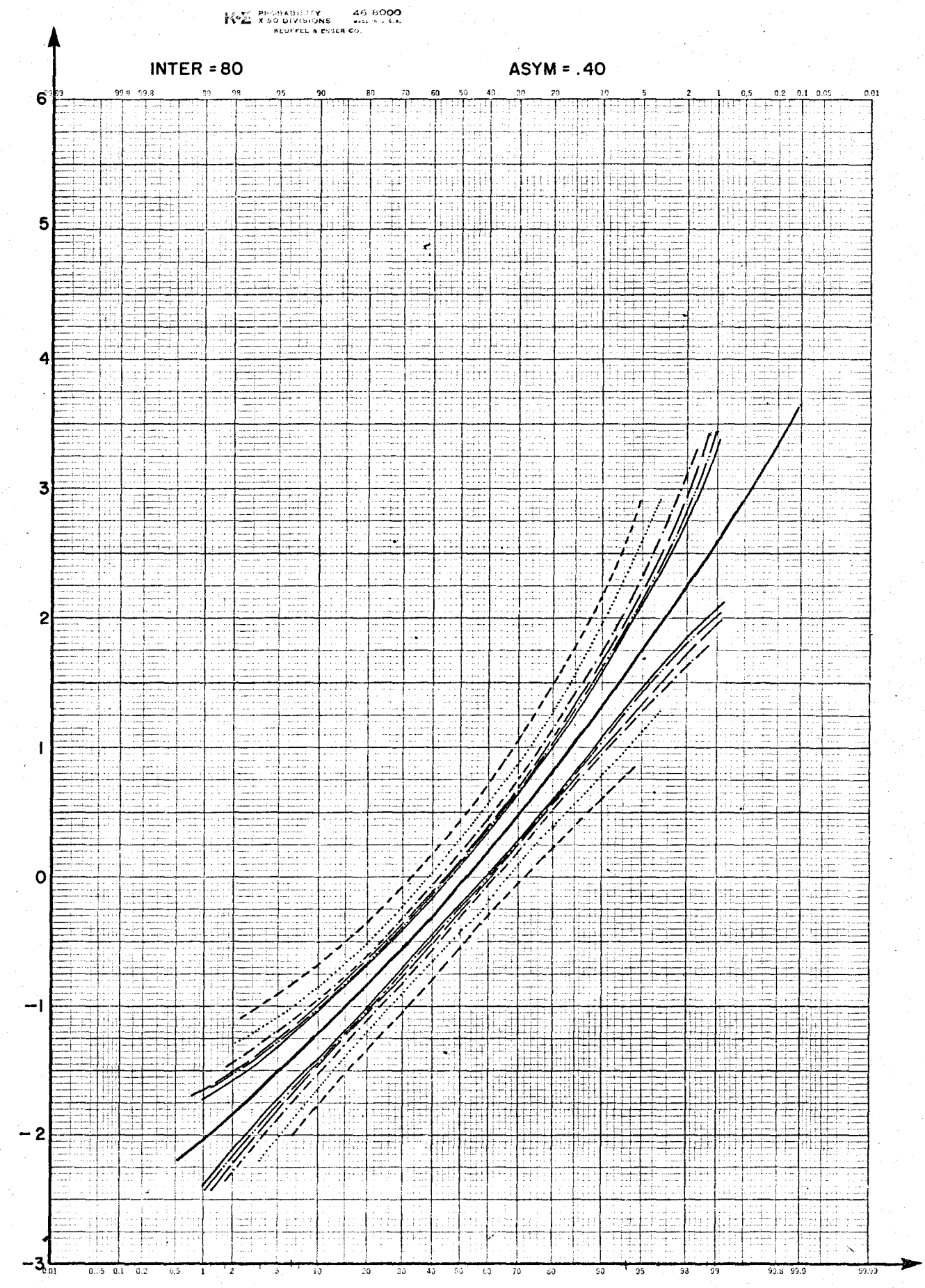
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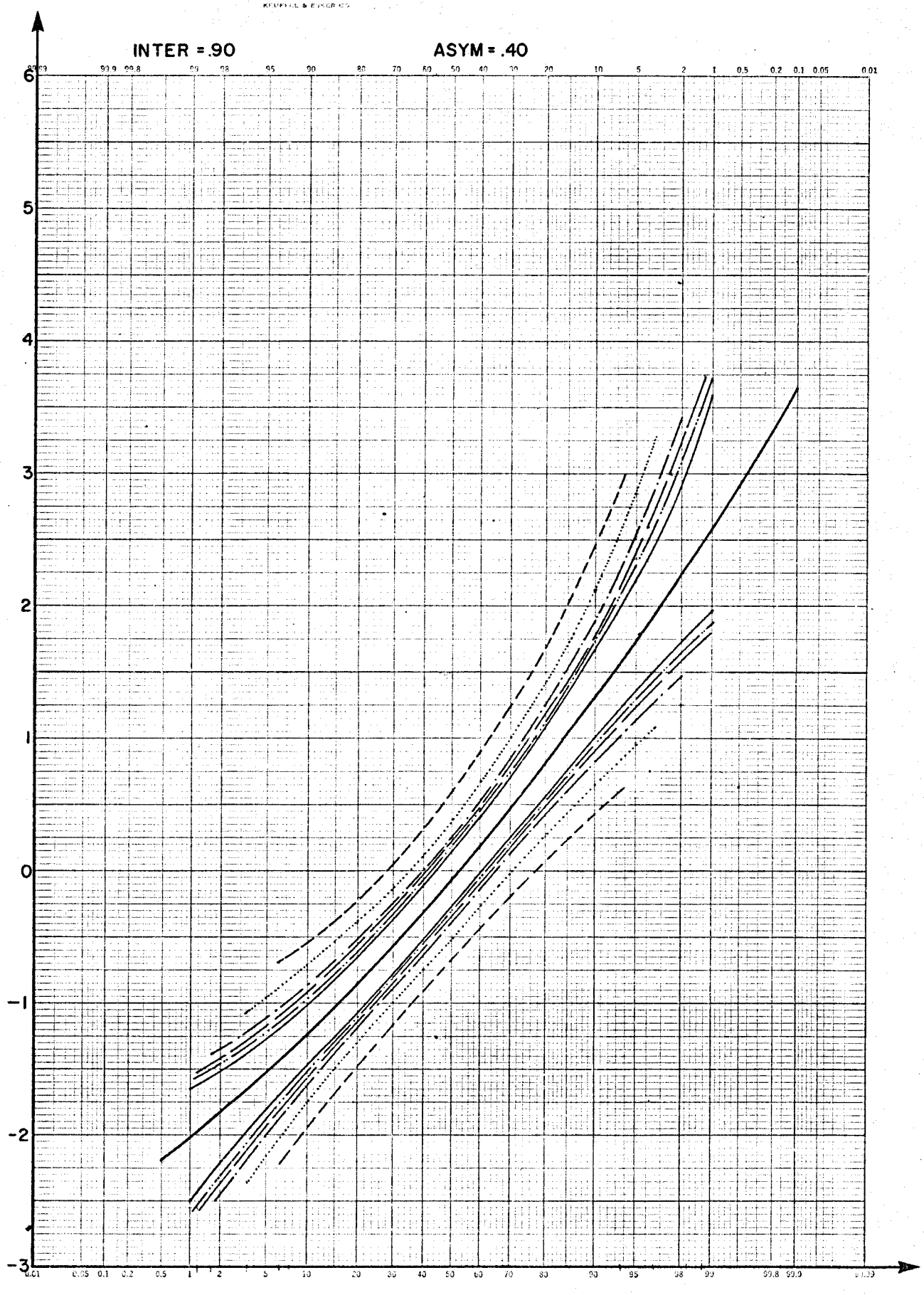
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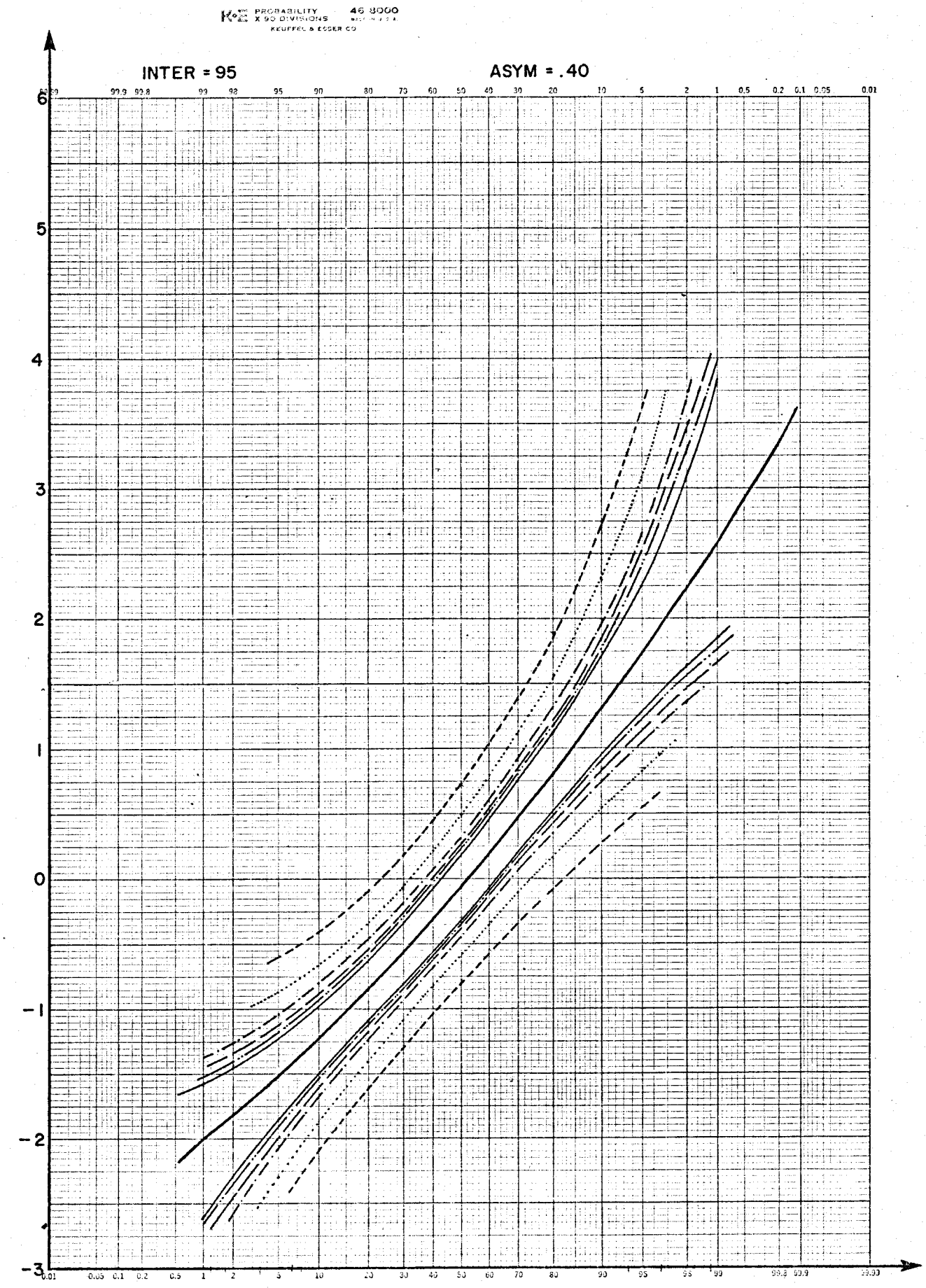
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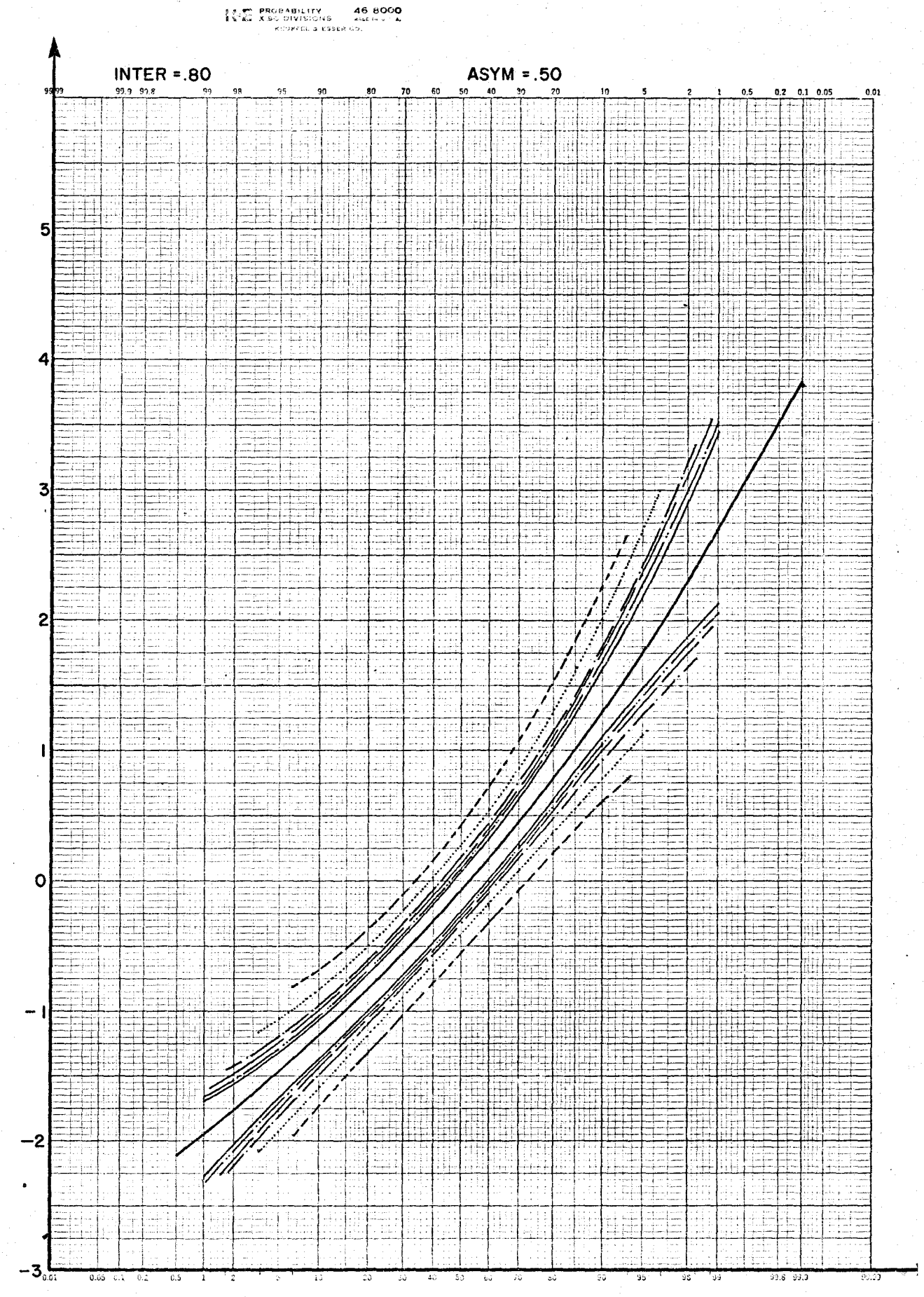
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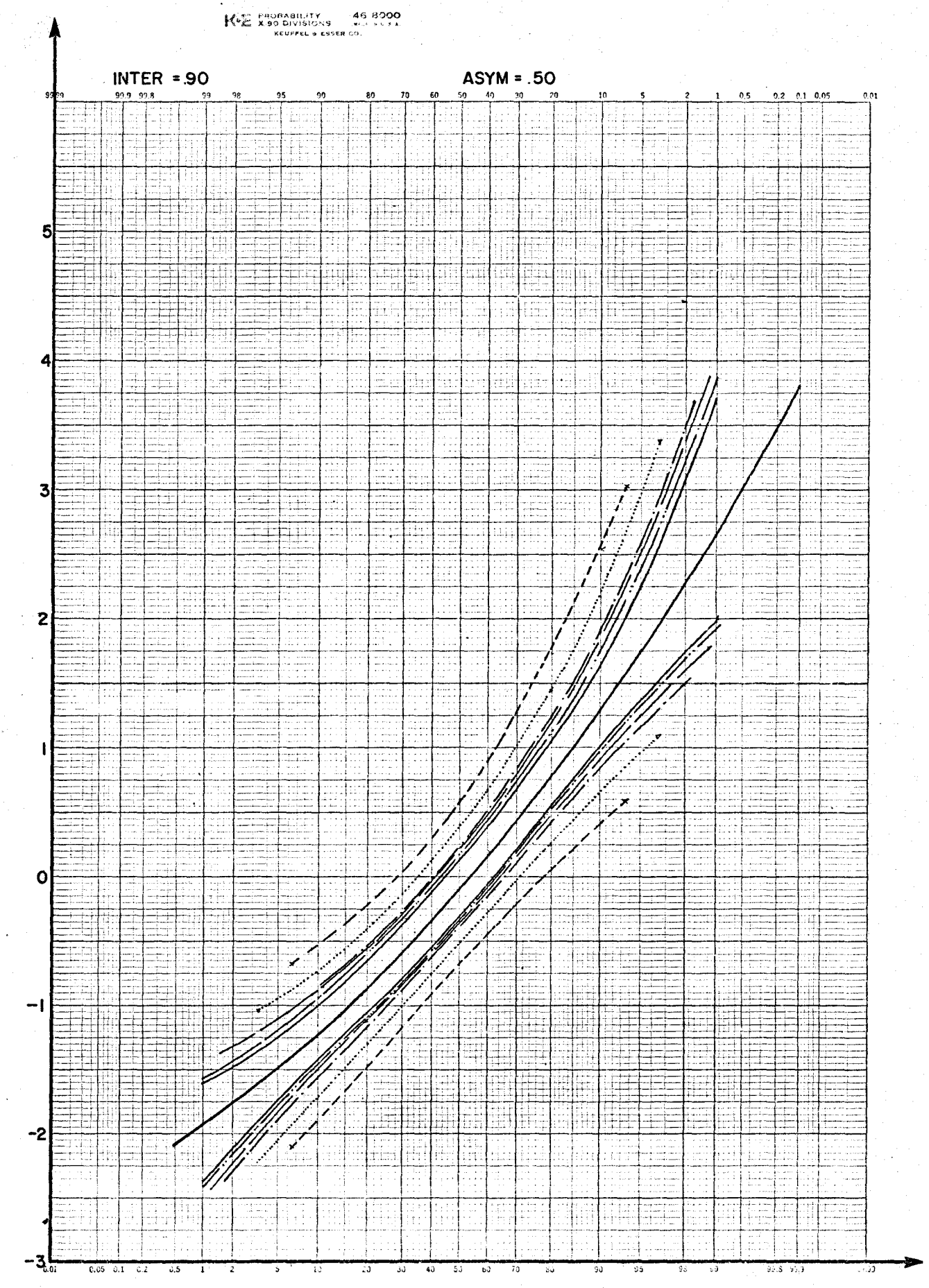
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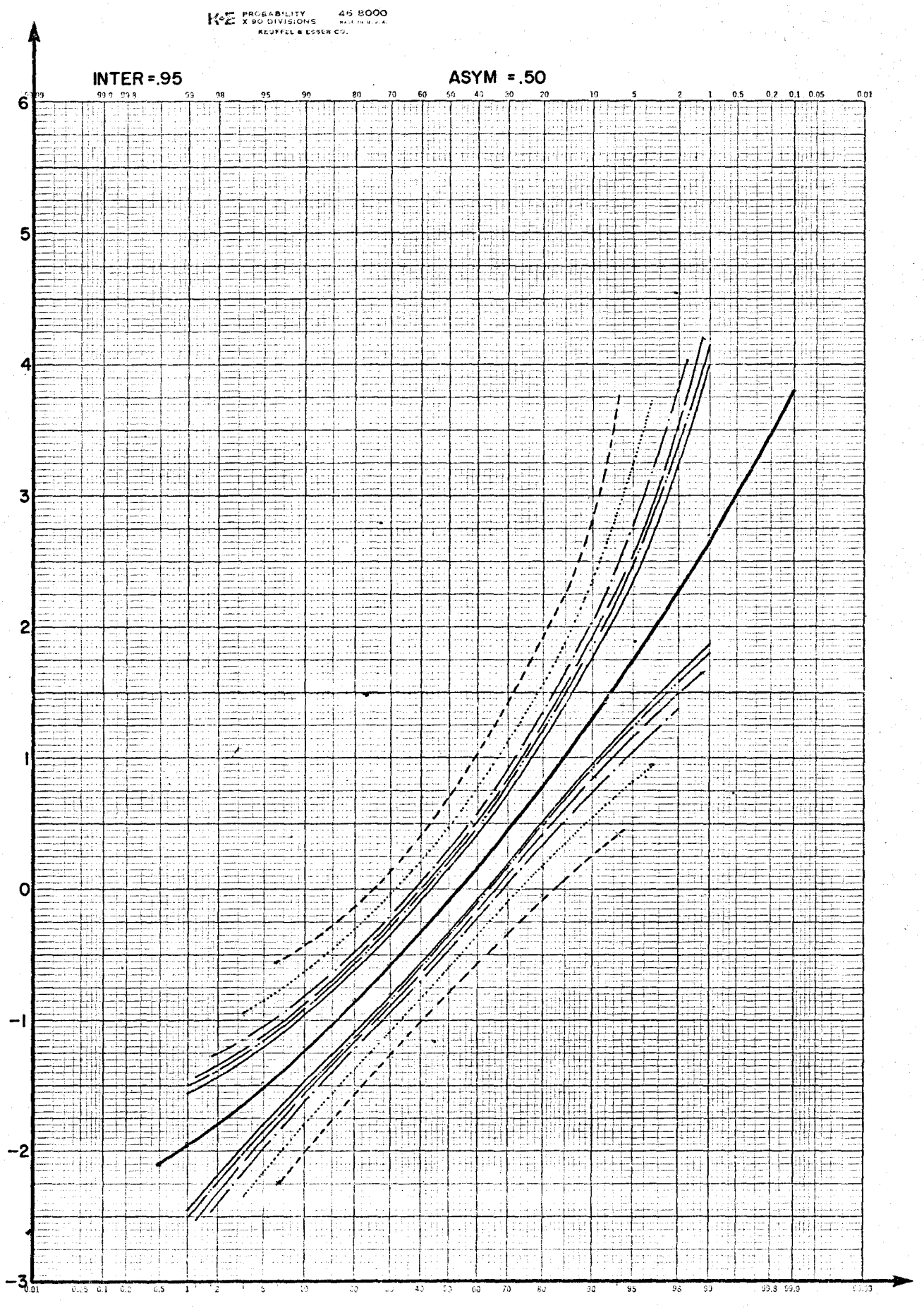
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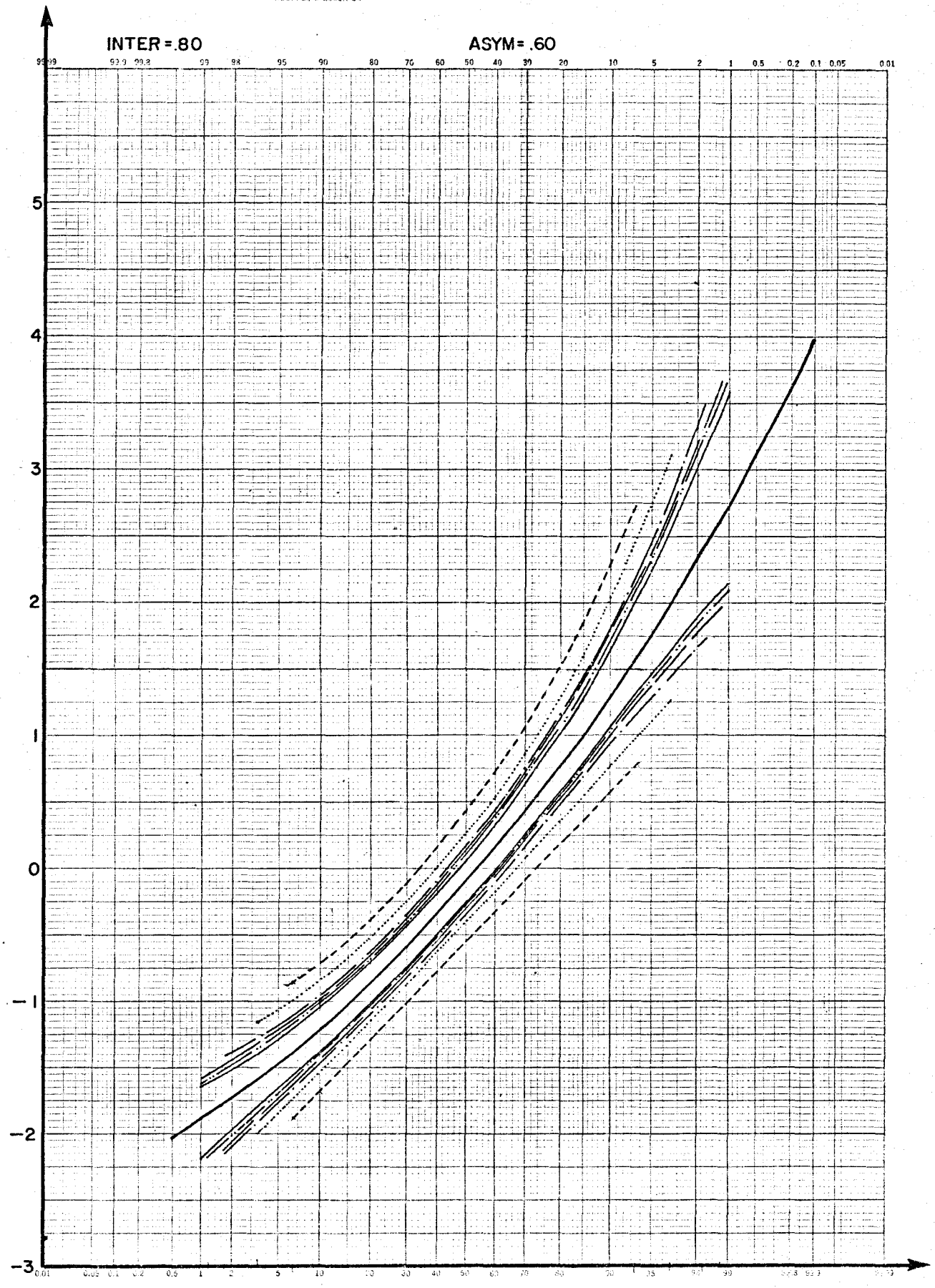

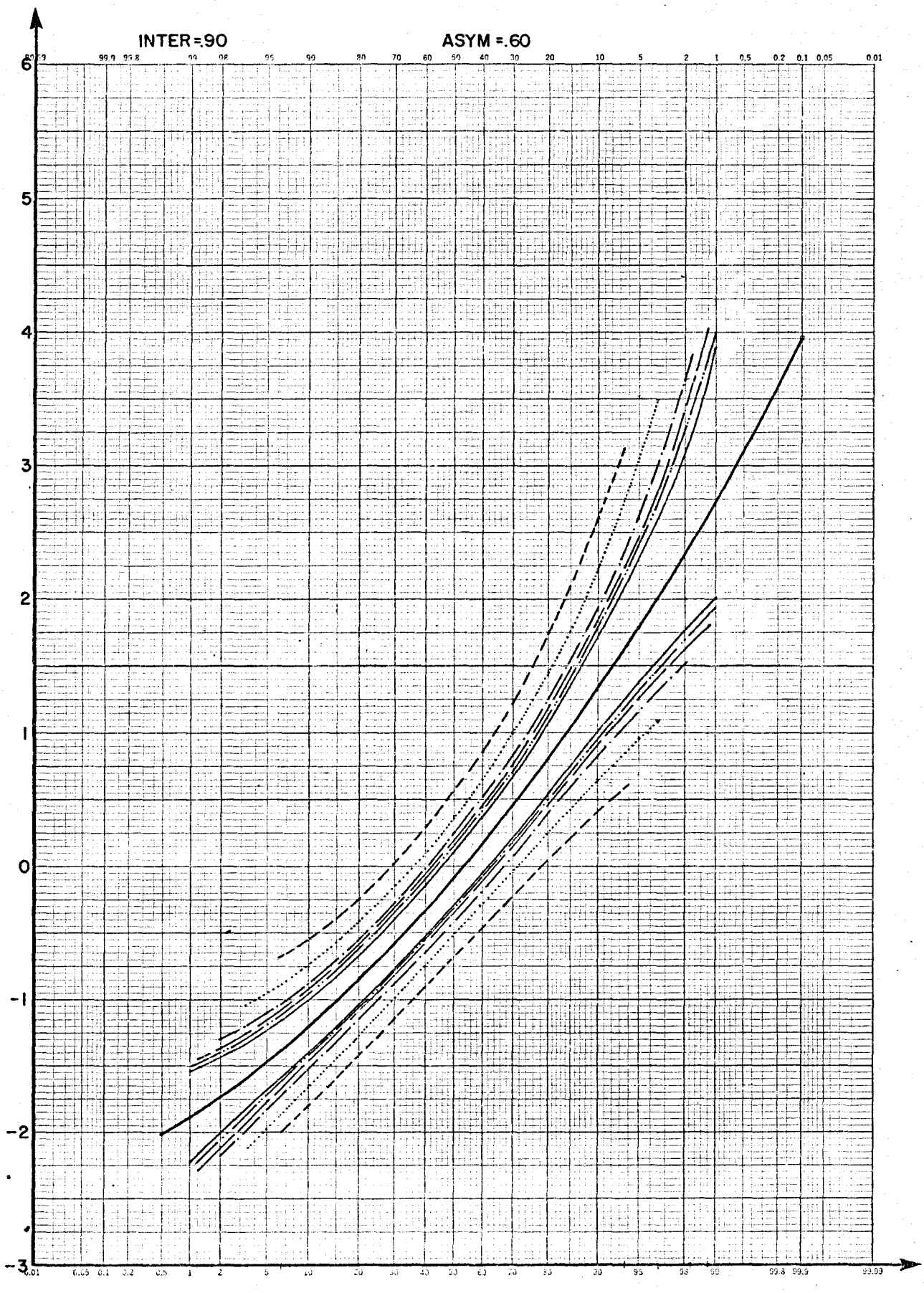

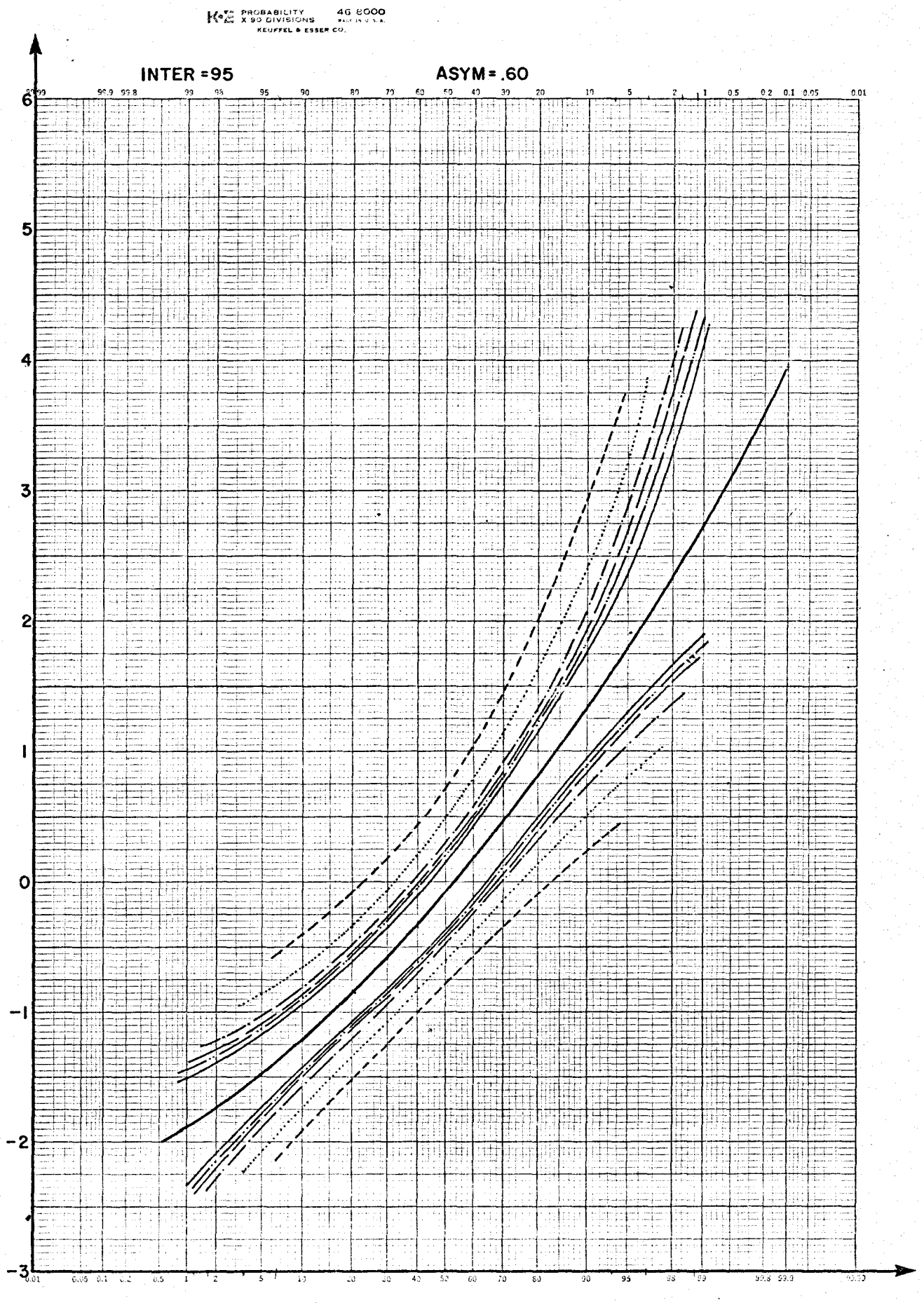
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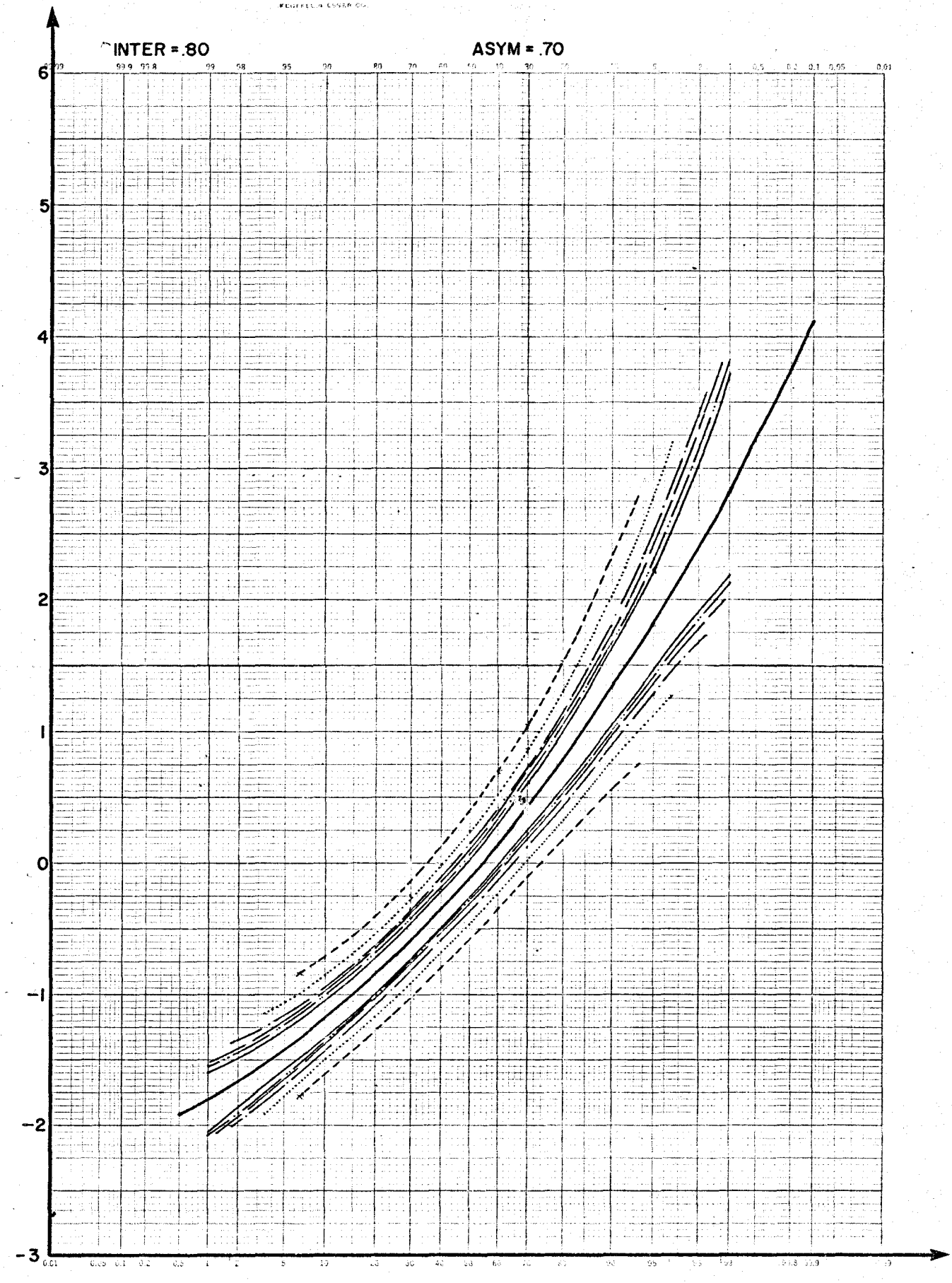
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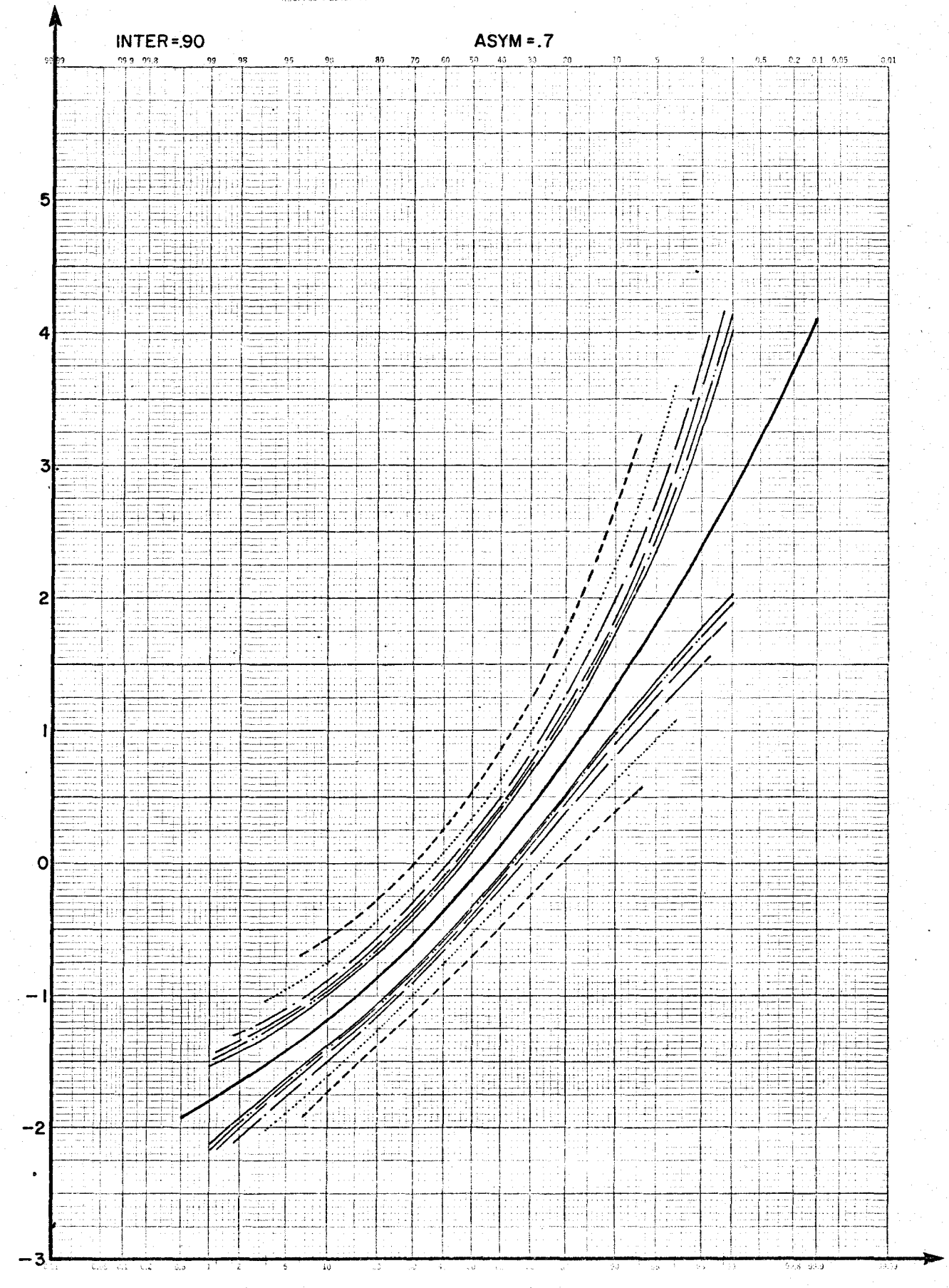
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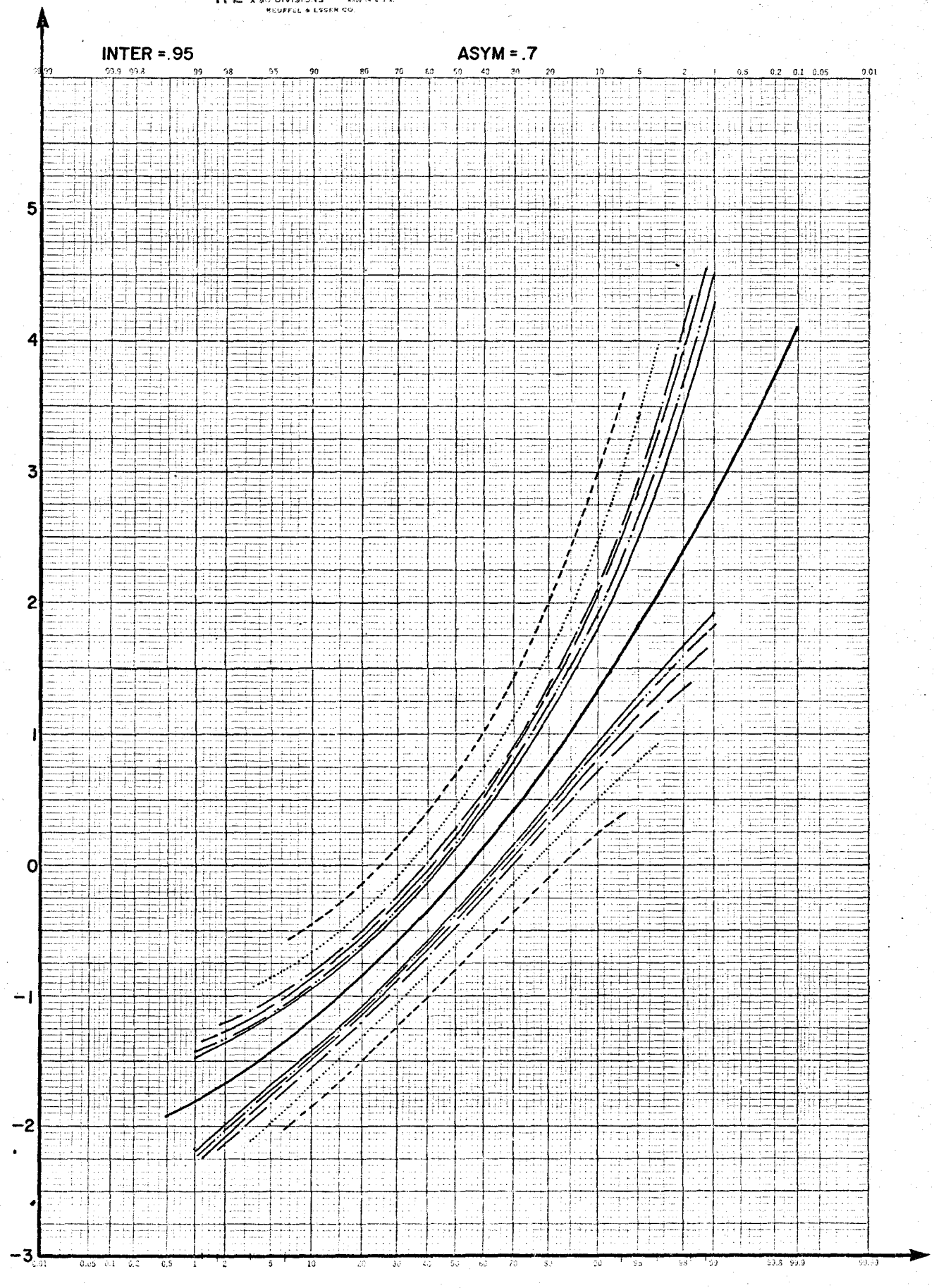
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KEUFFEL & ESSER CO.
46 8000
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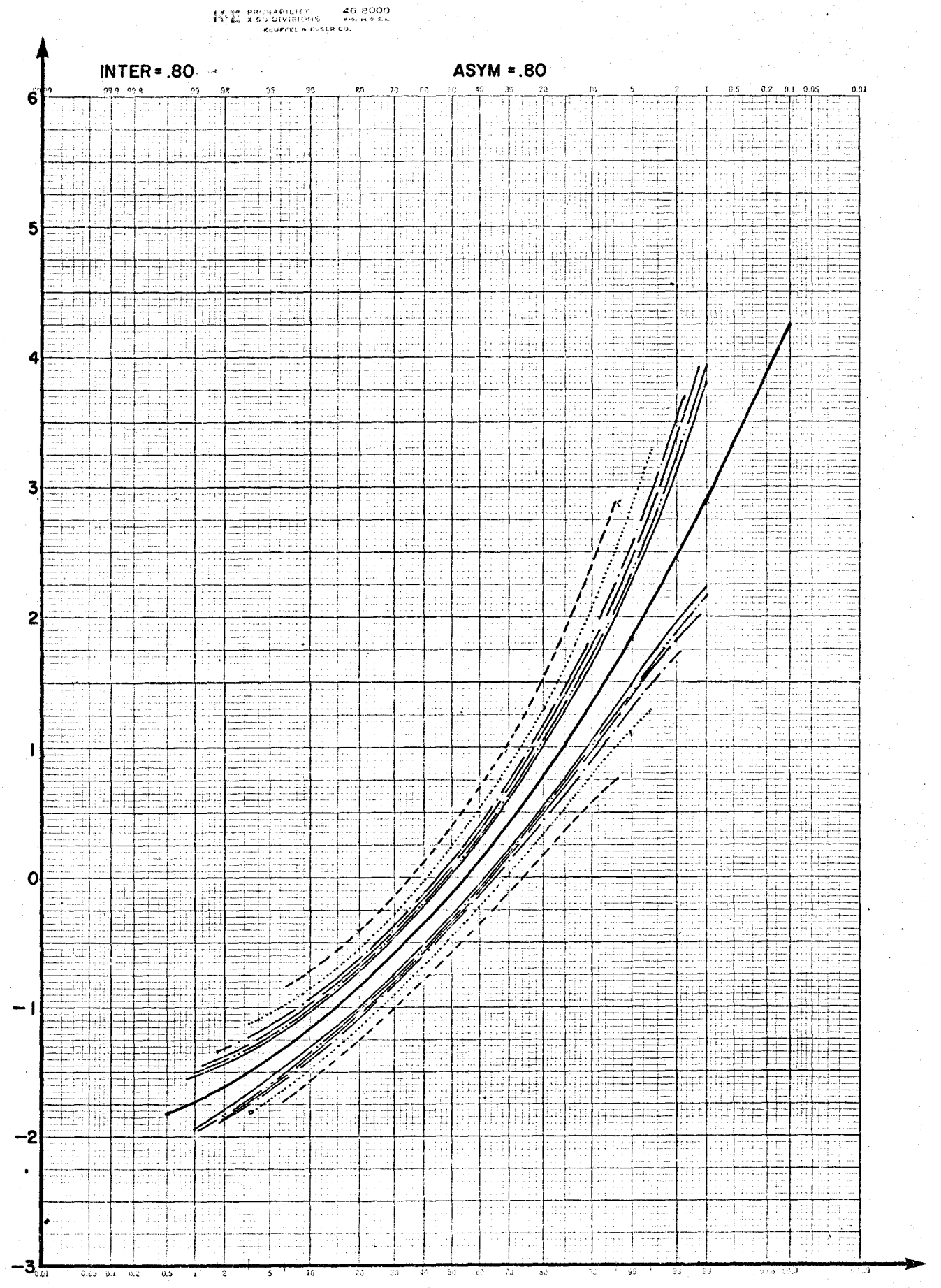
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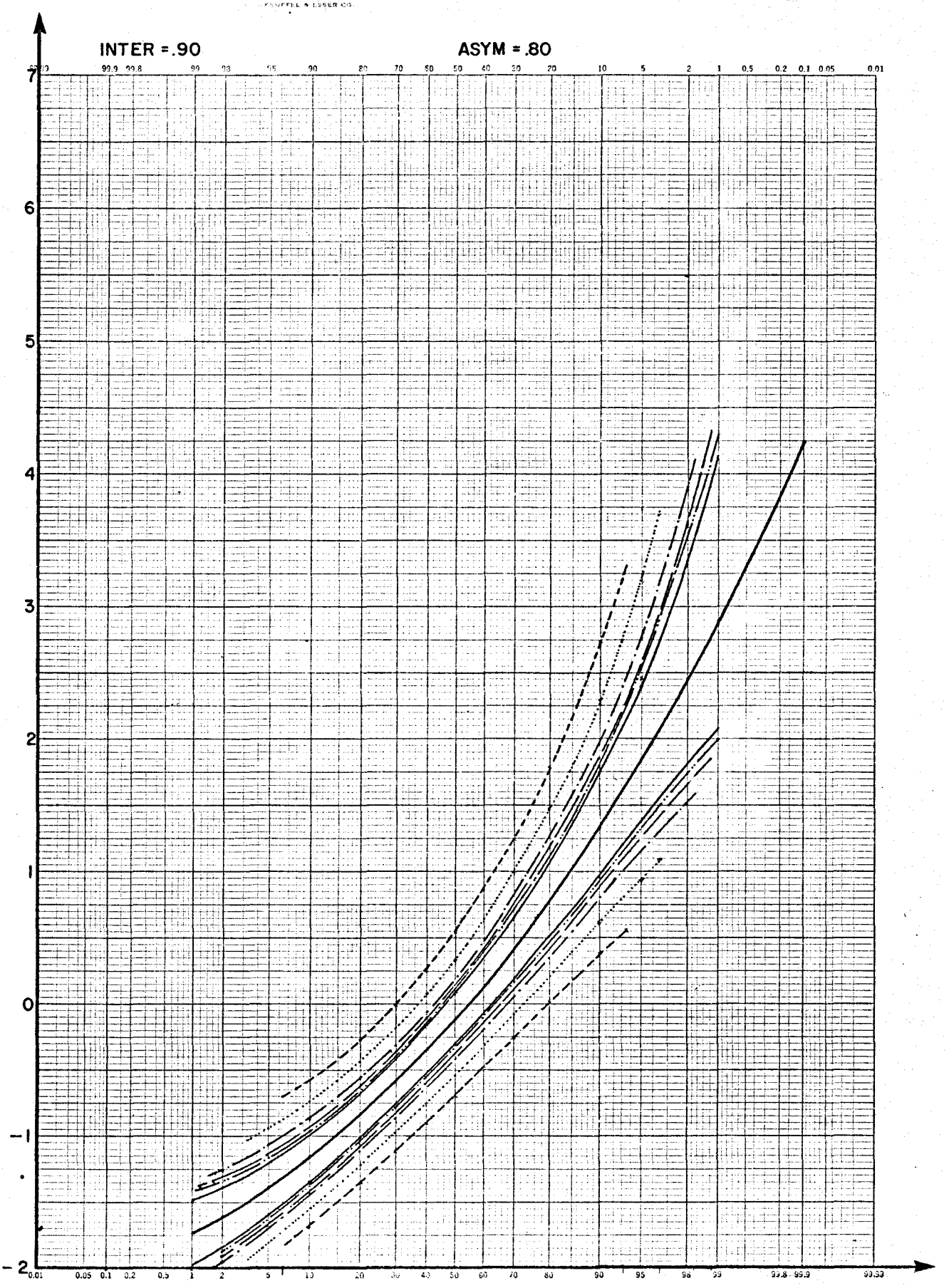
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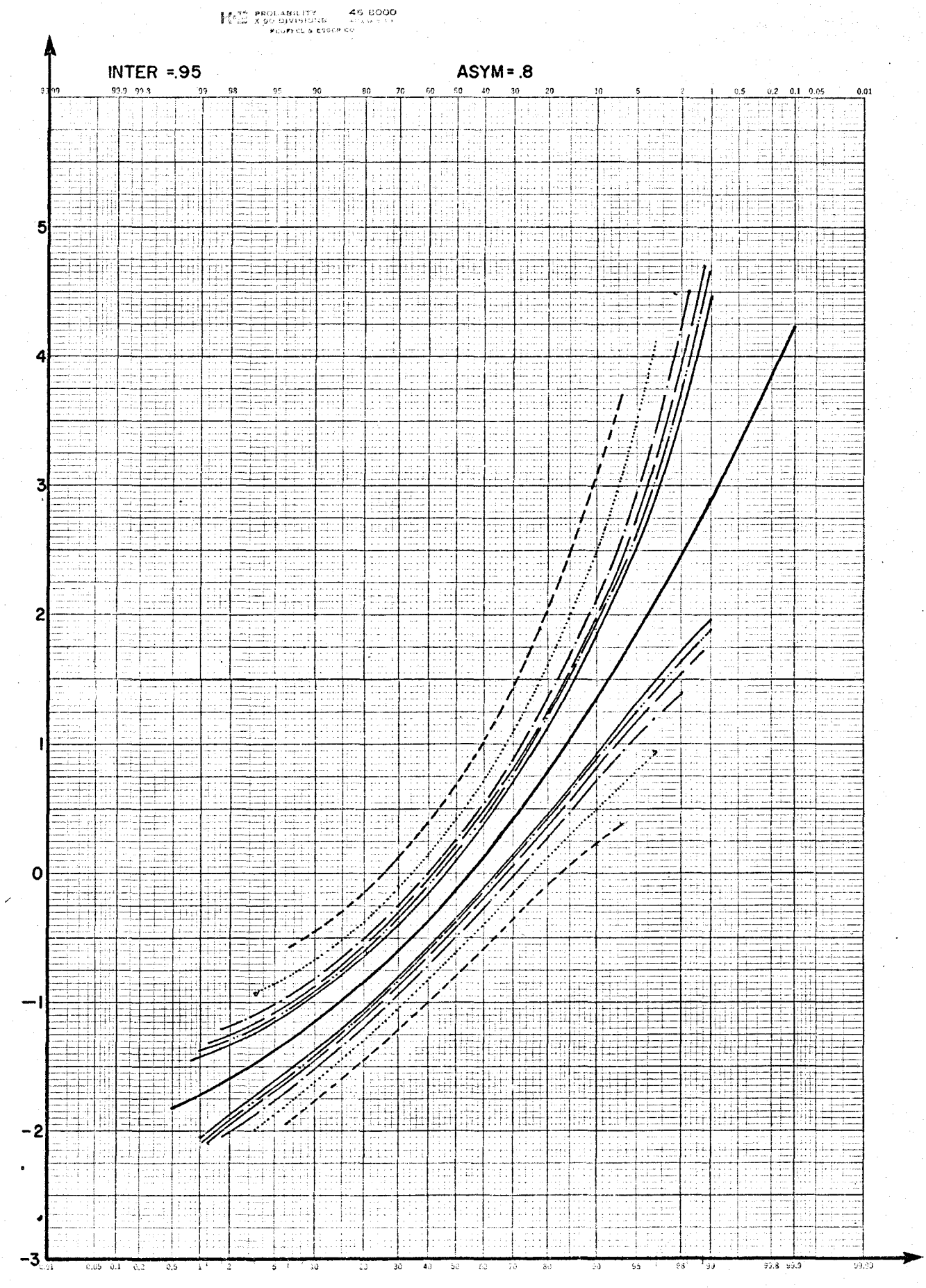
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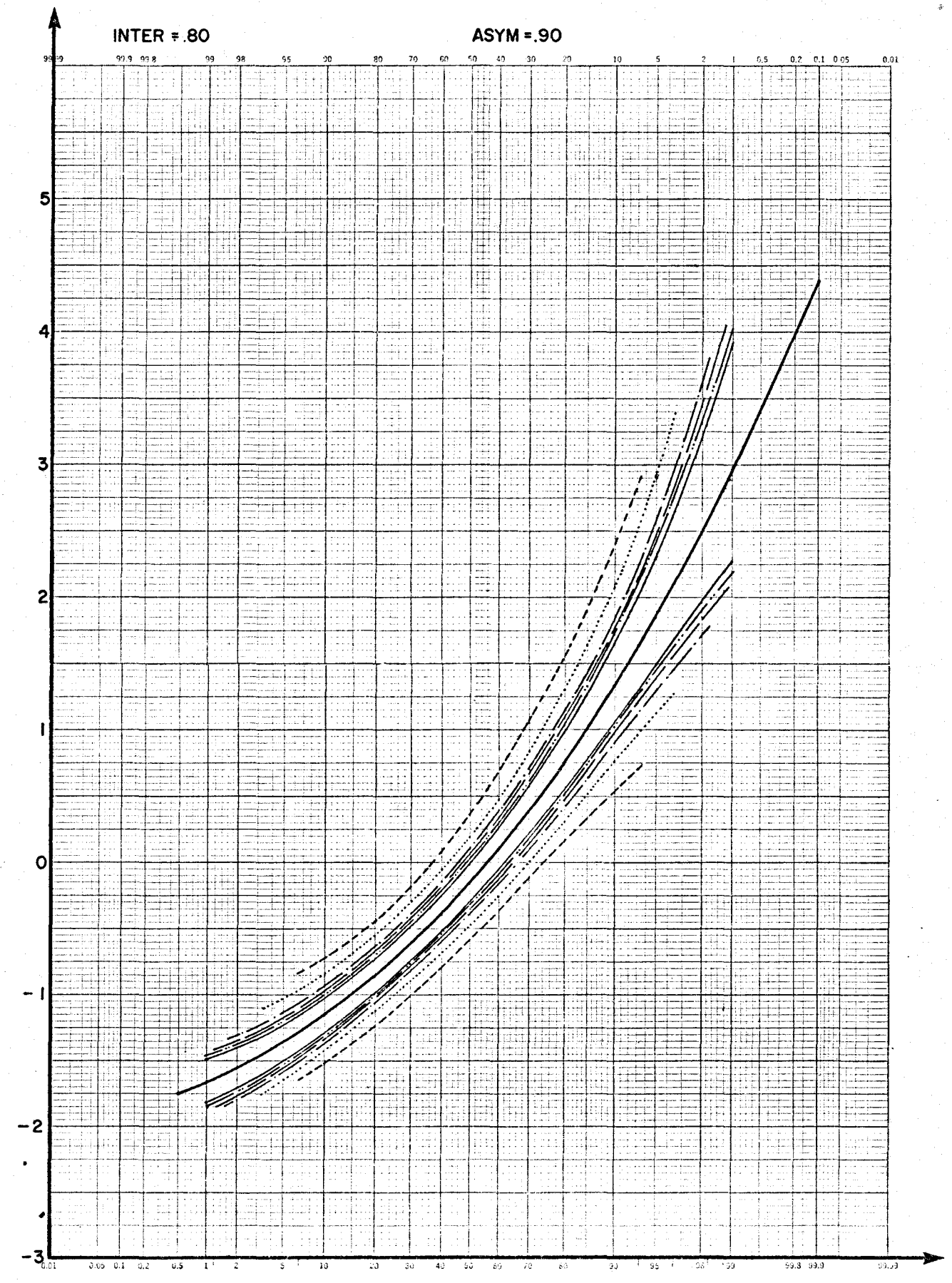
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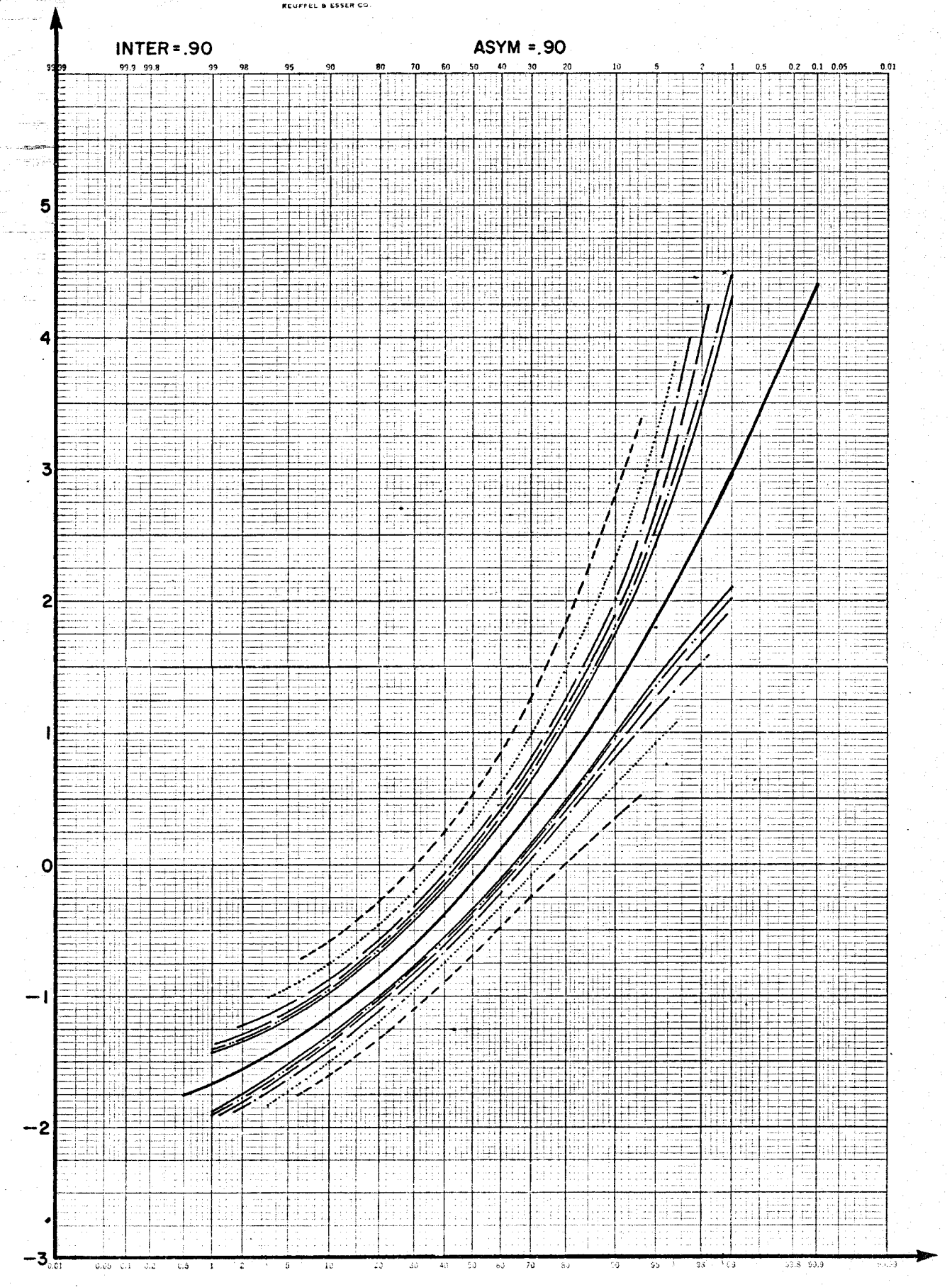
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KEUFFEL & ESSER CO.
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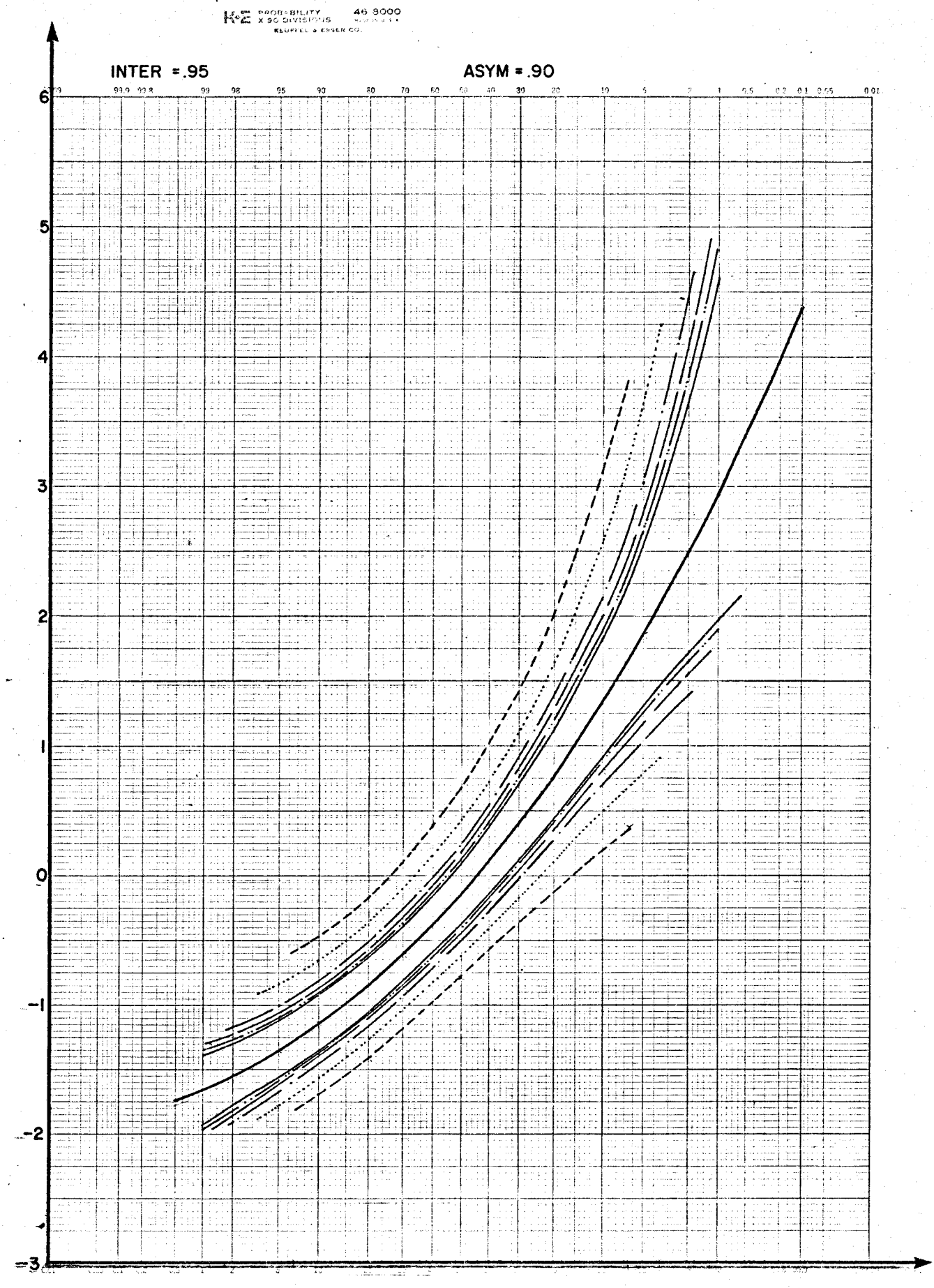
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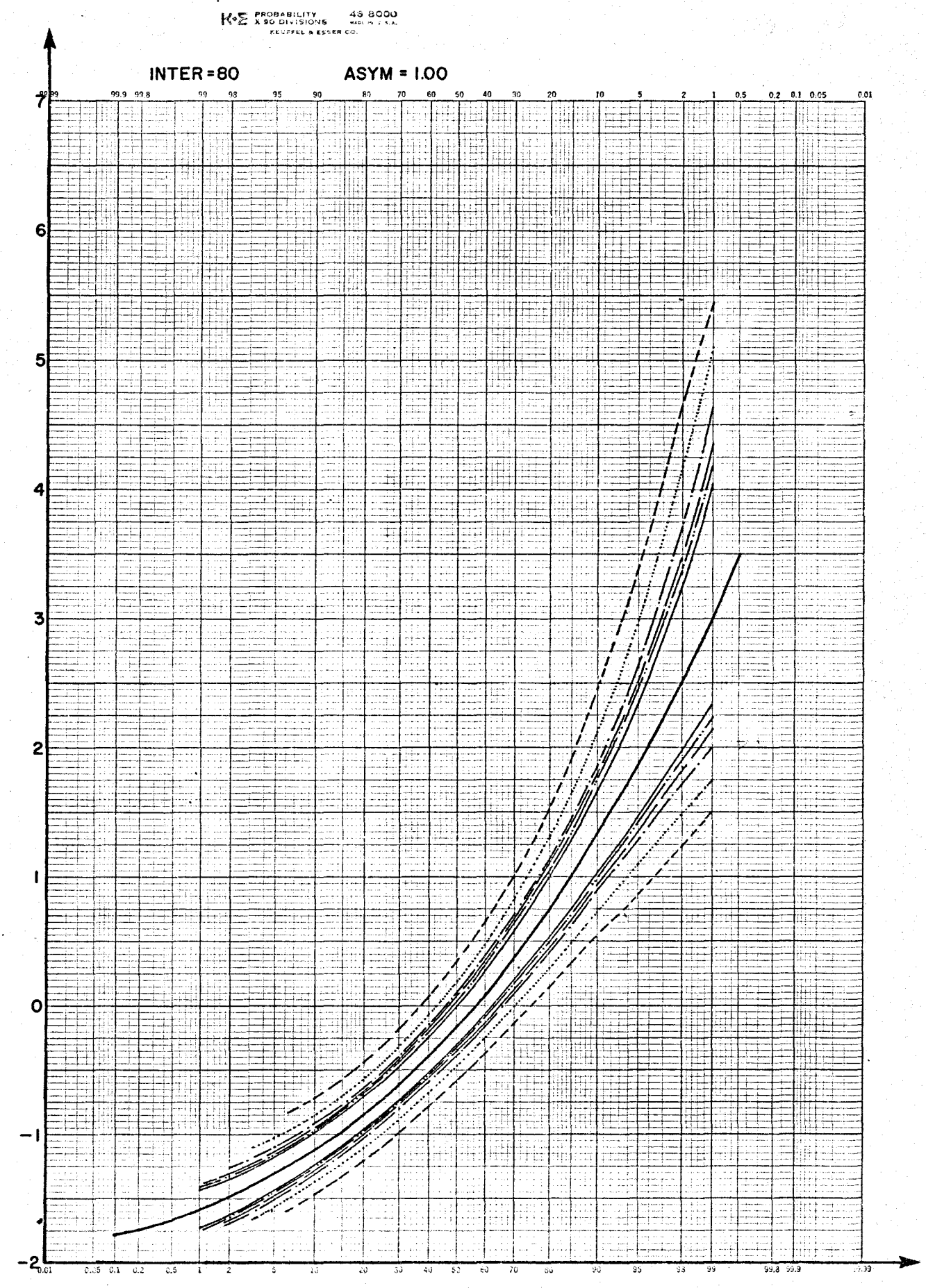
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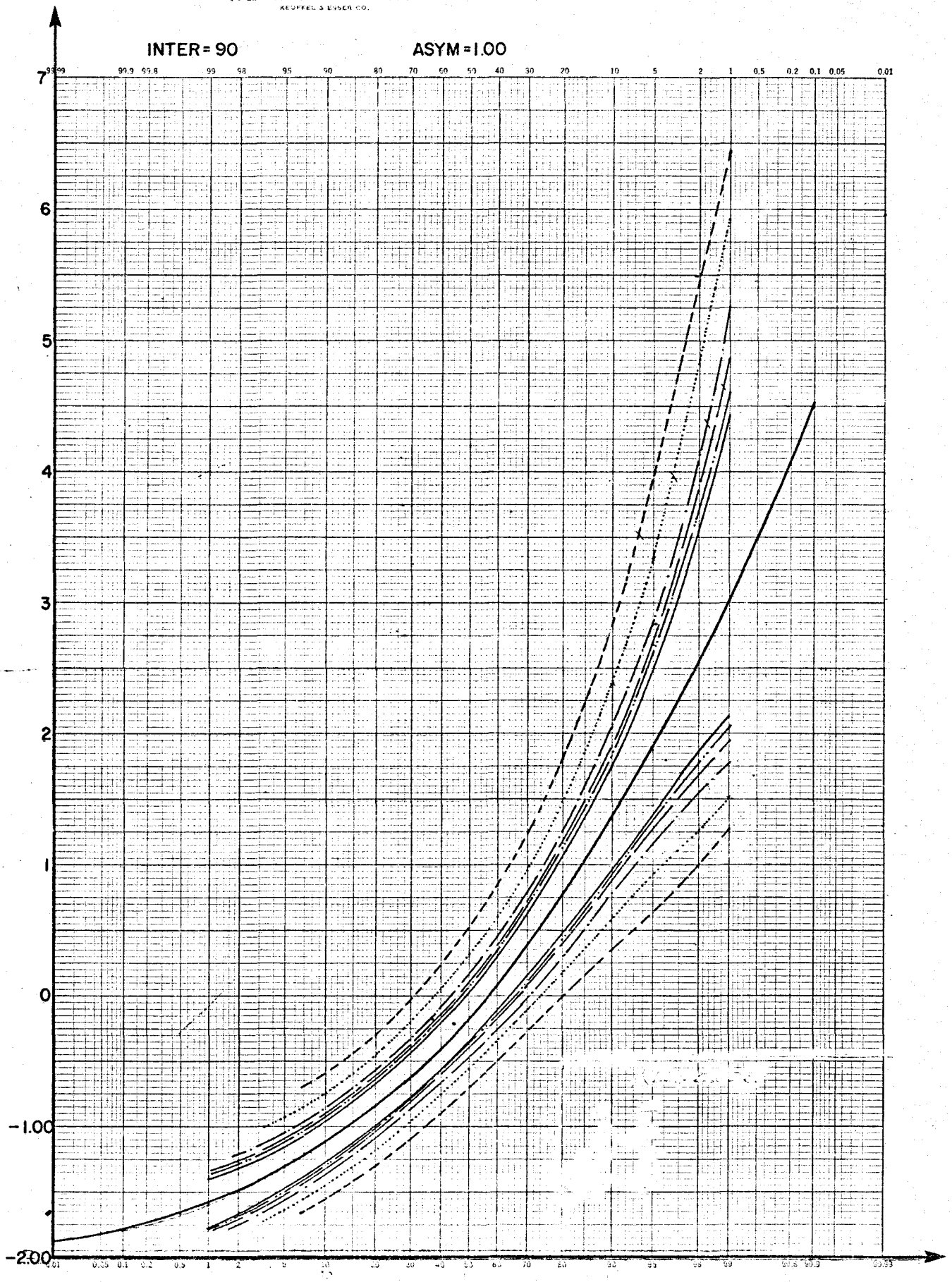
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KEUFFEL & ESSER CO.
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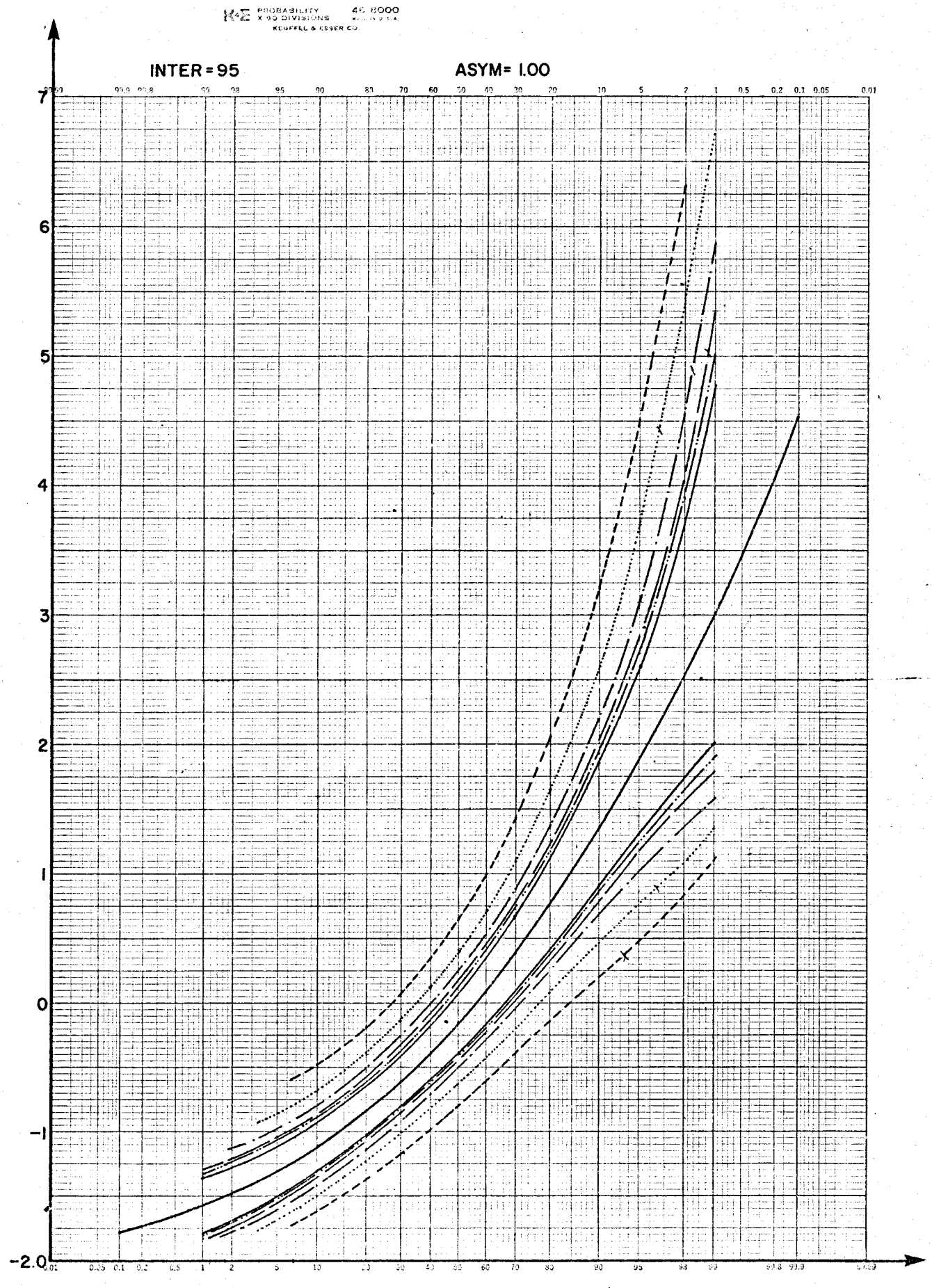
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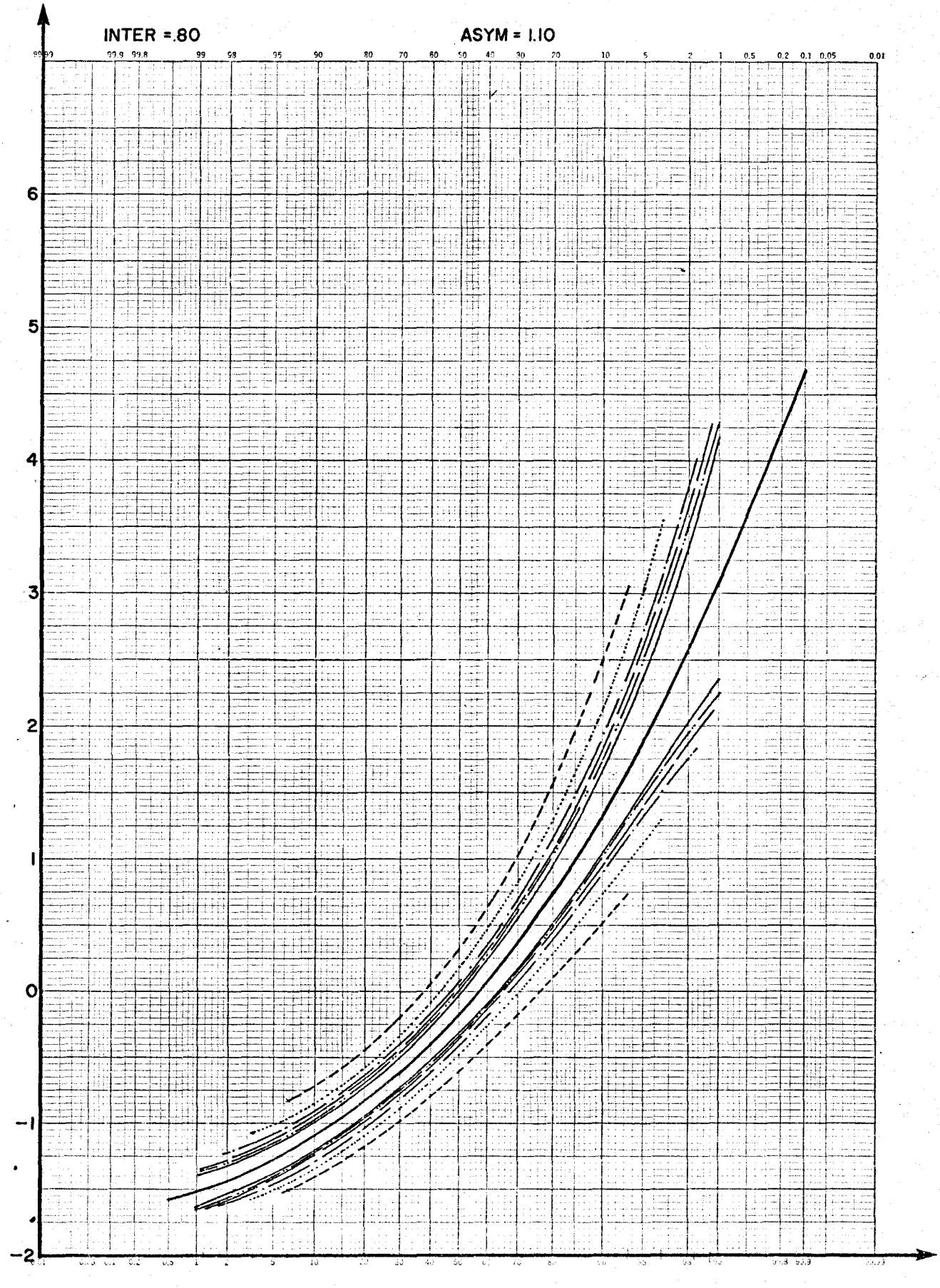
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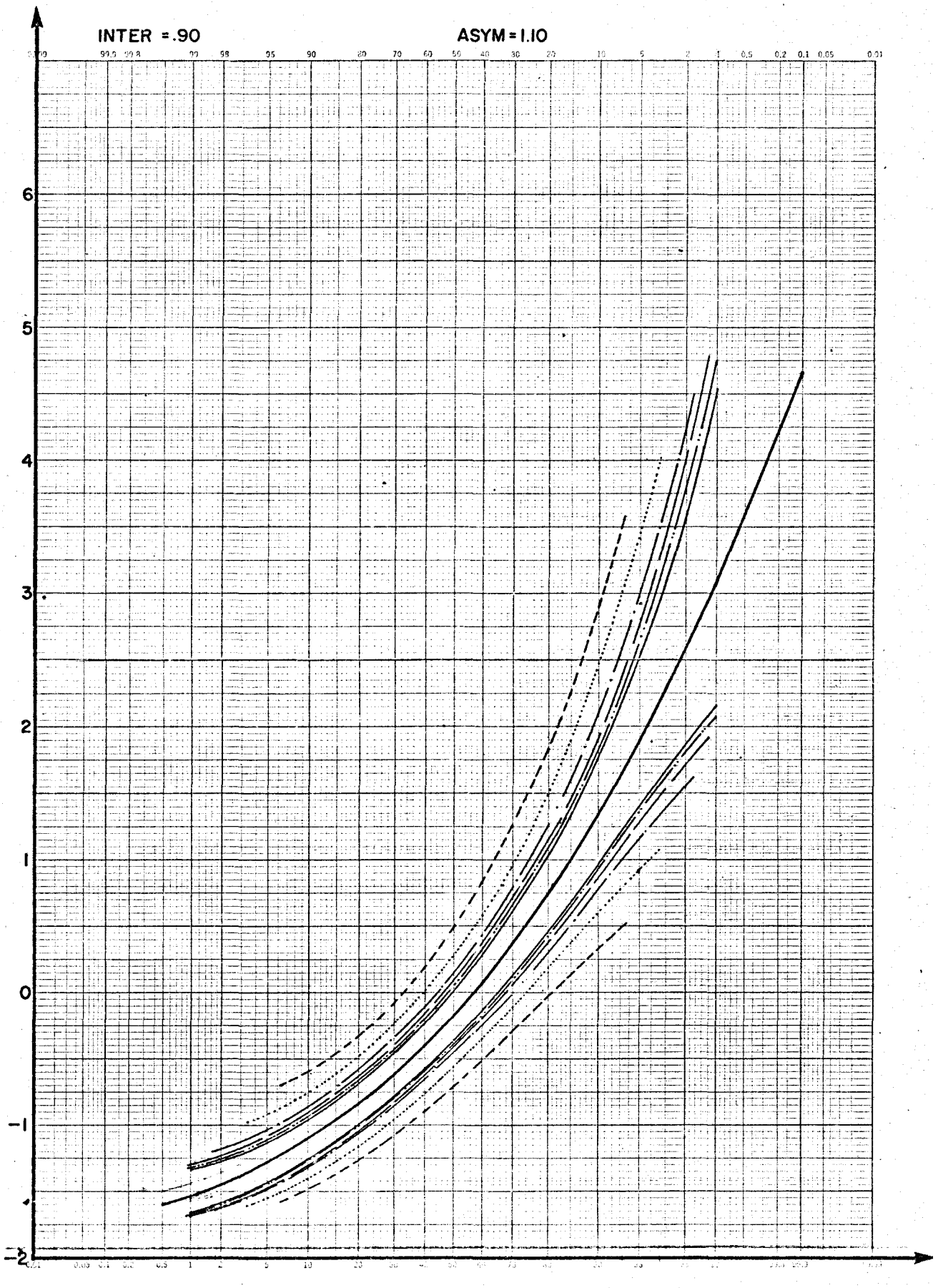
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KEUFFEL & ESSER CO.
46 8000
INTER =.90
ASYM = 1.10
99.9 99.8 99 98 95 90 80 70 60 50 40 30 20 10 5 2 1 0.5 0.2 0.1 0.05 0.01
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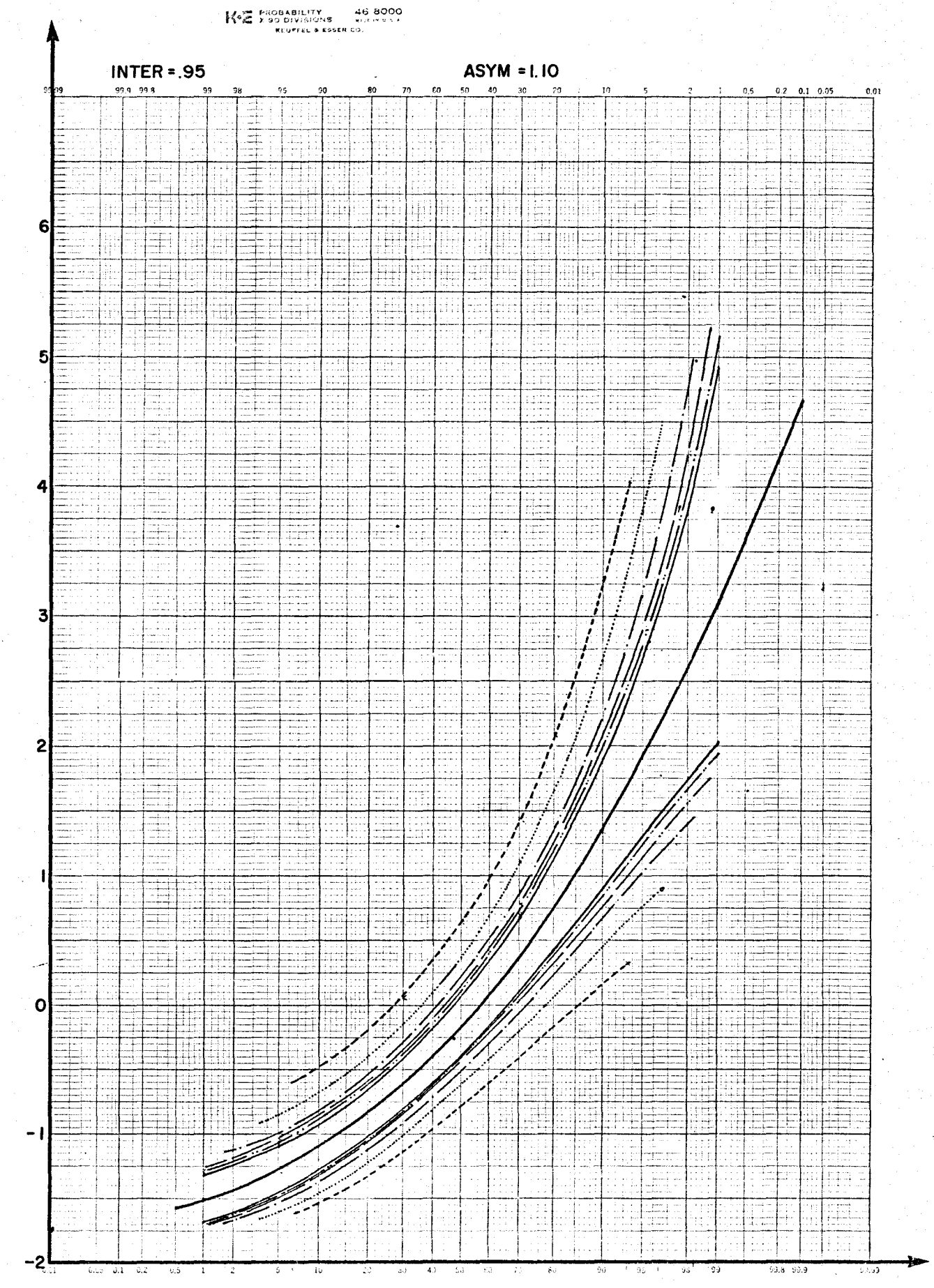
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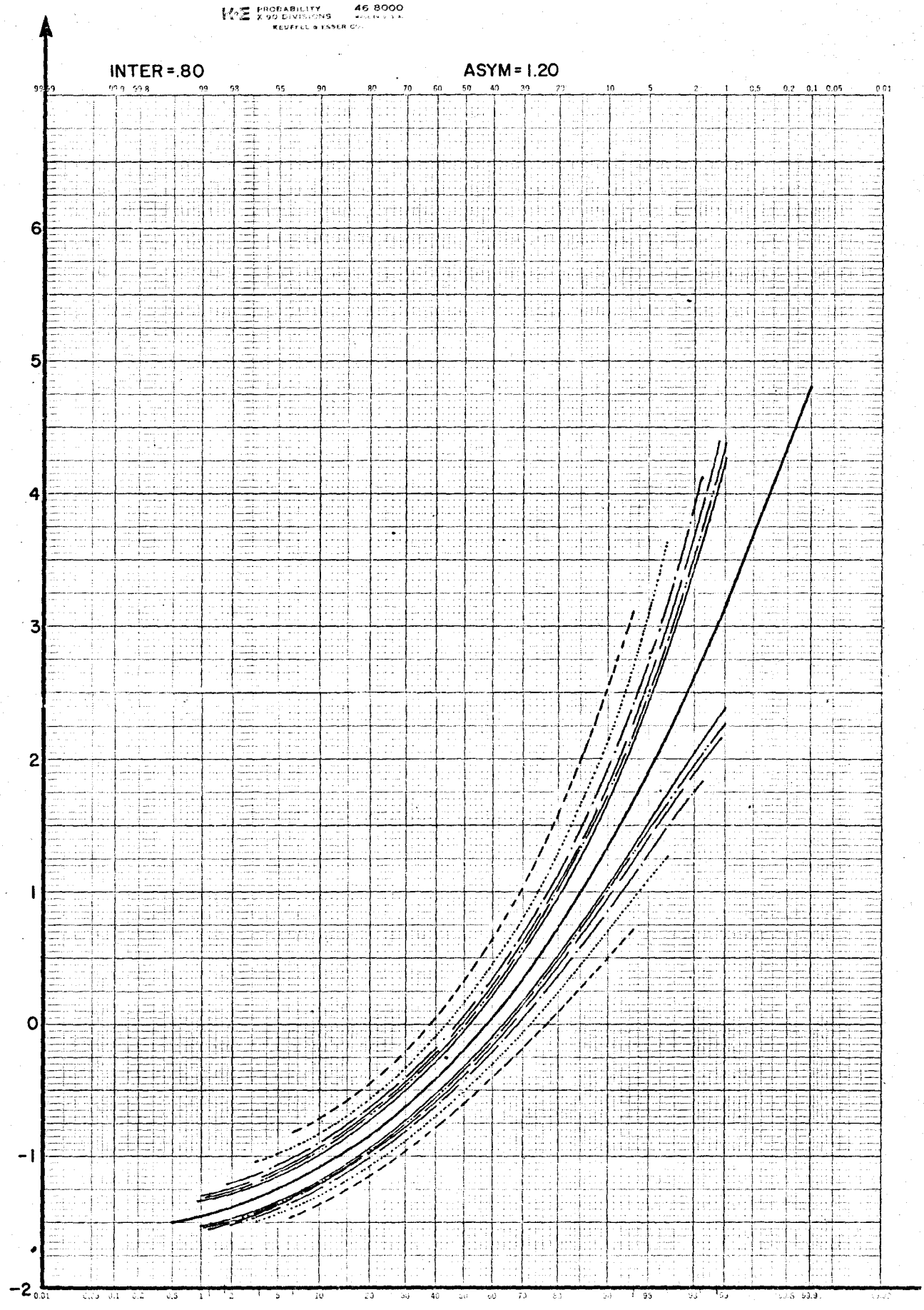
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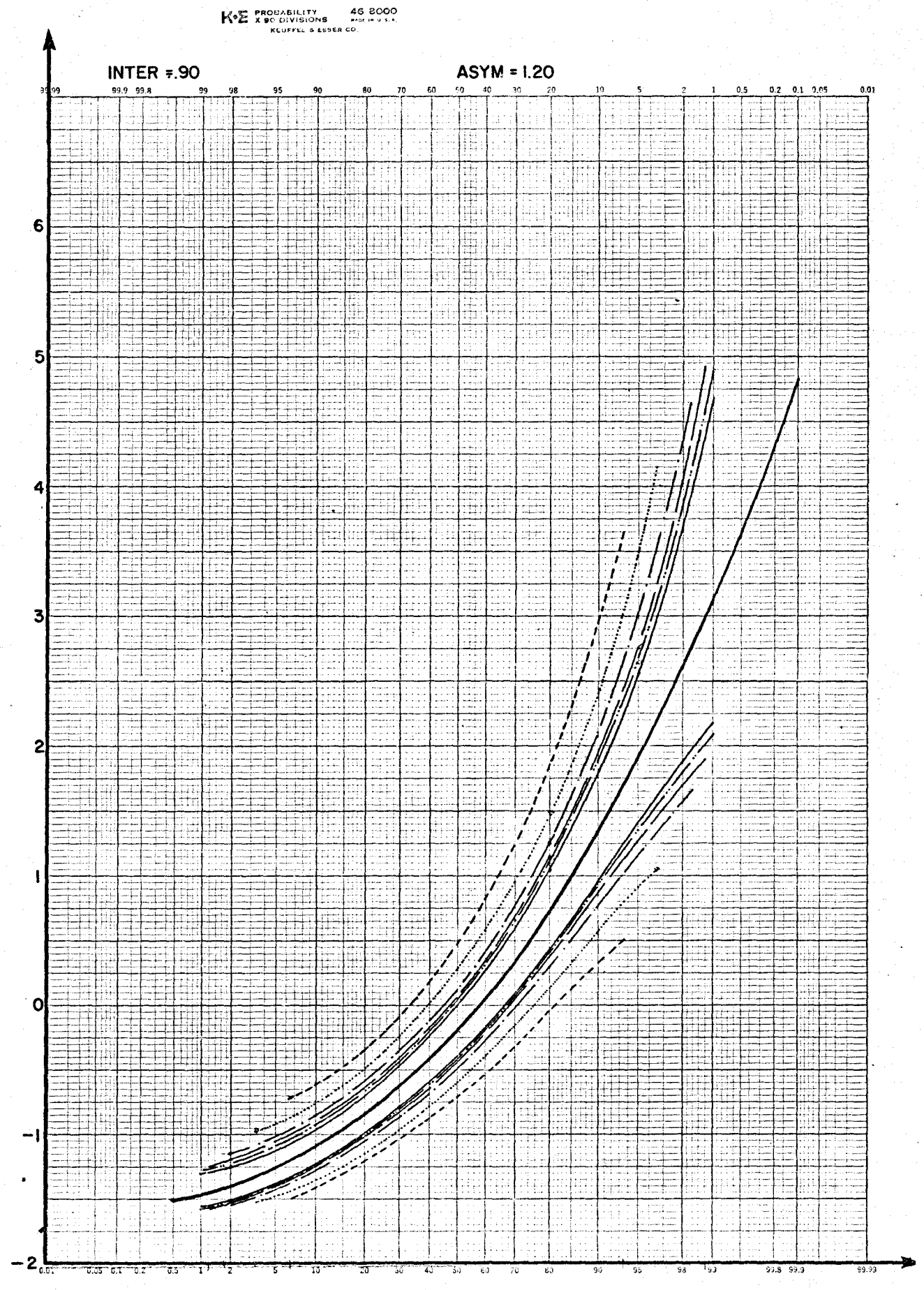
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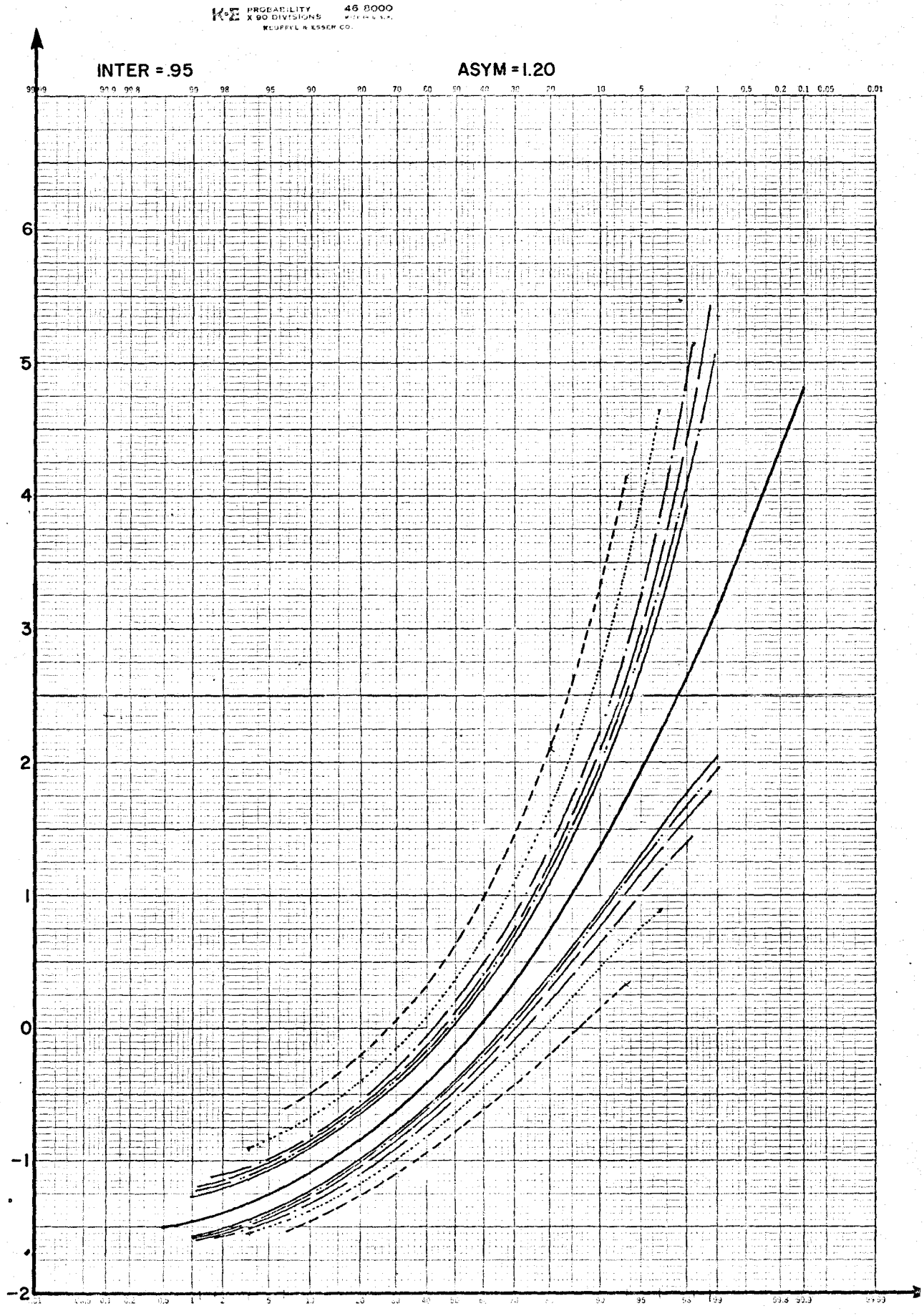
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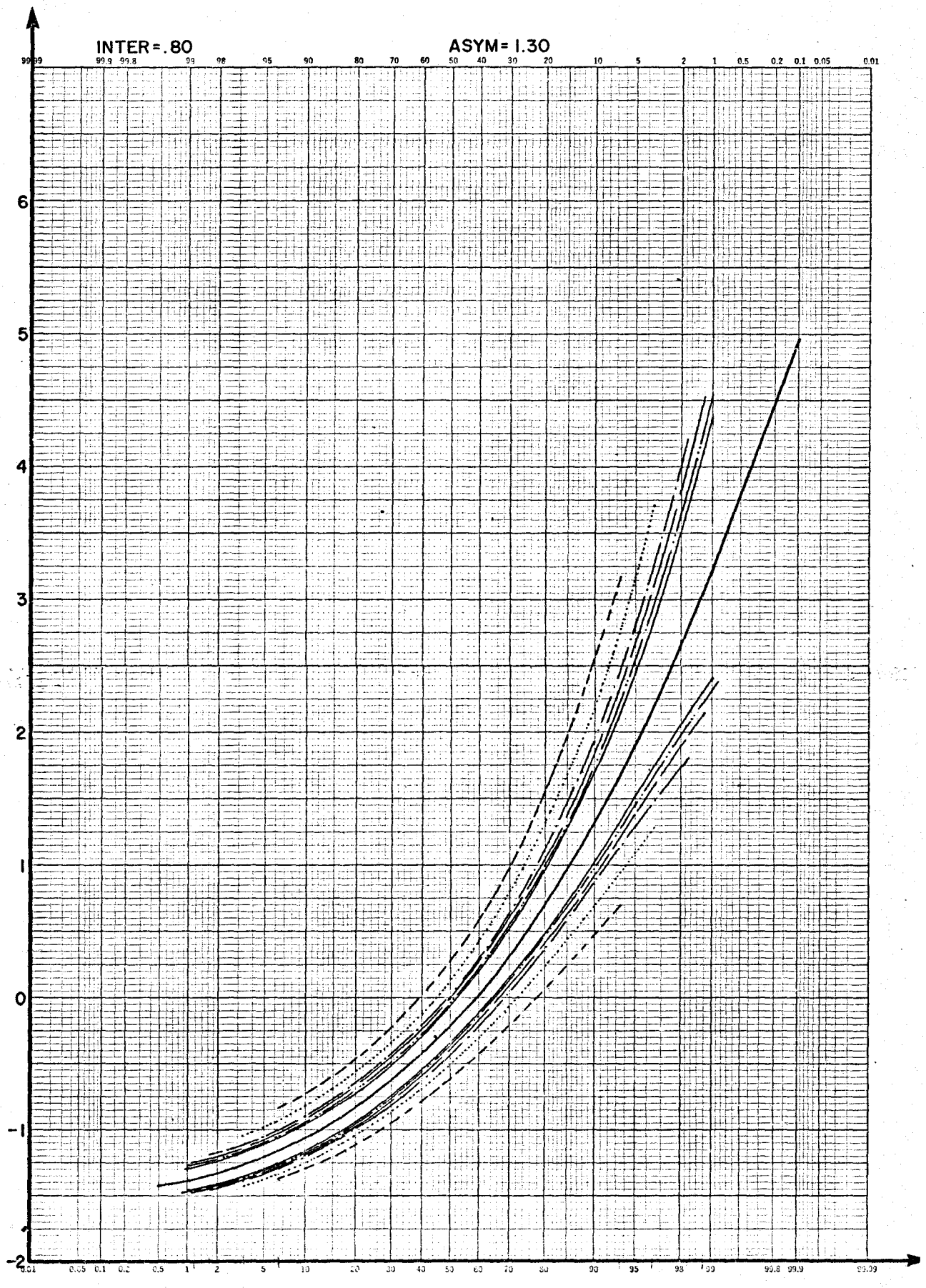

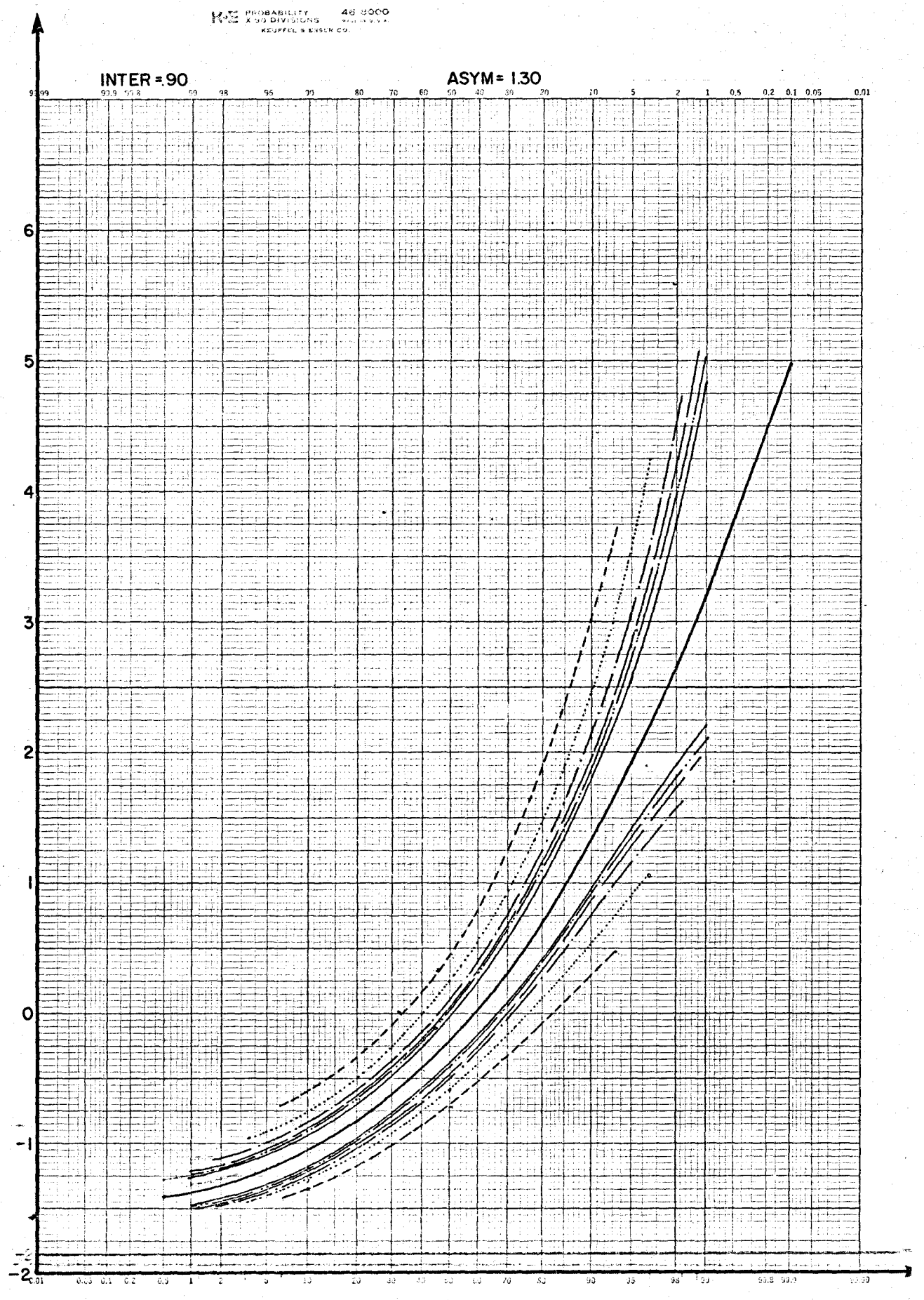
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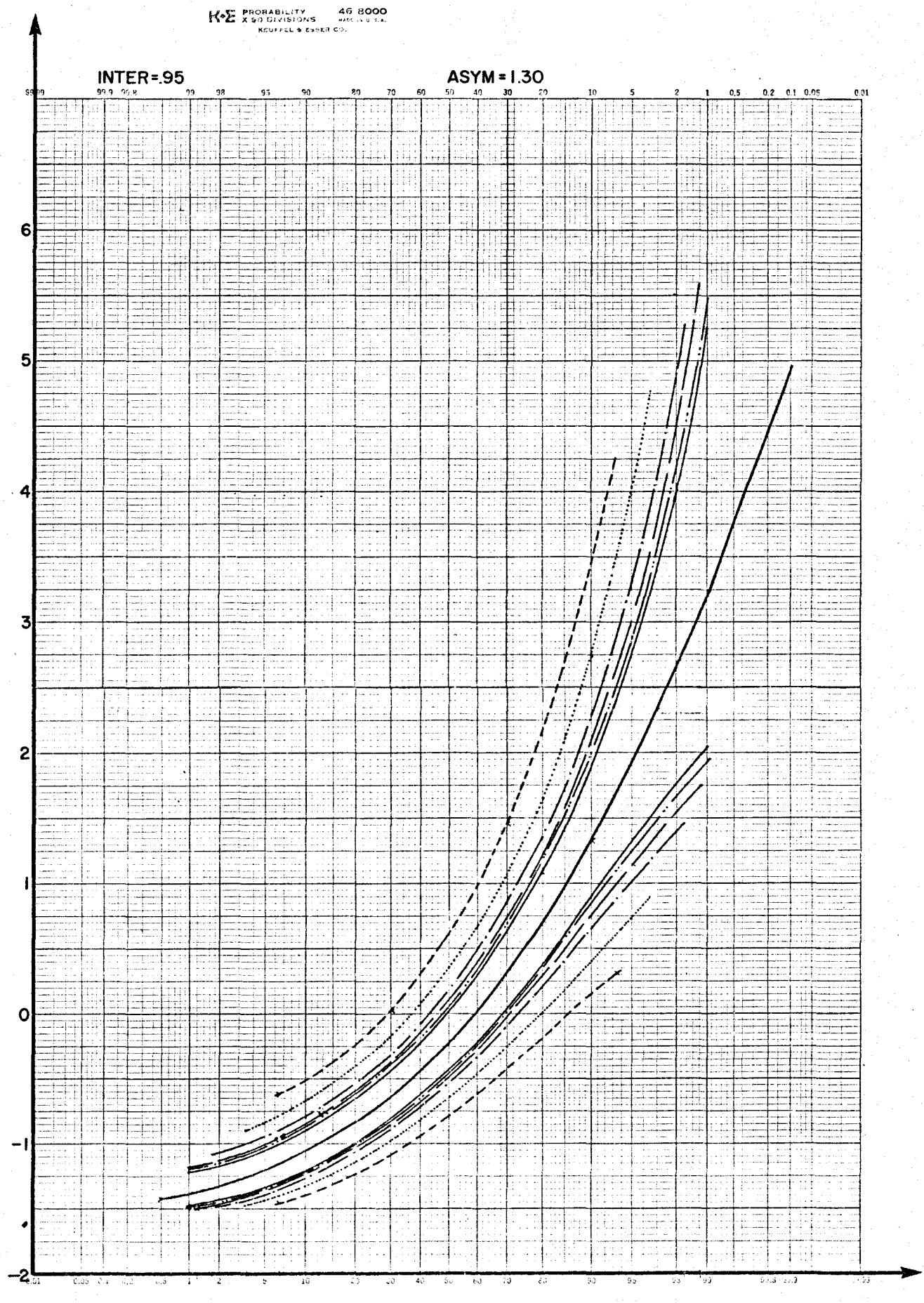
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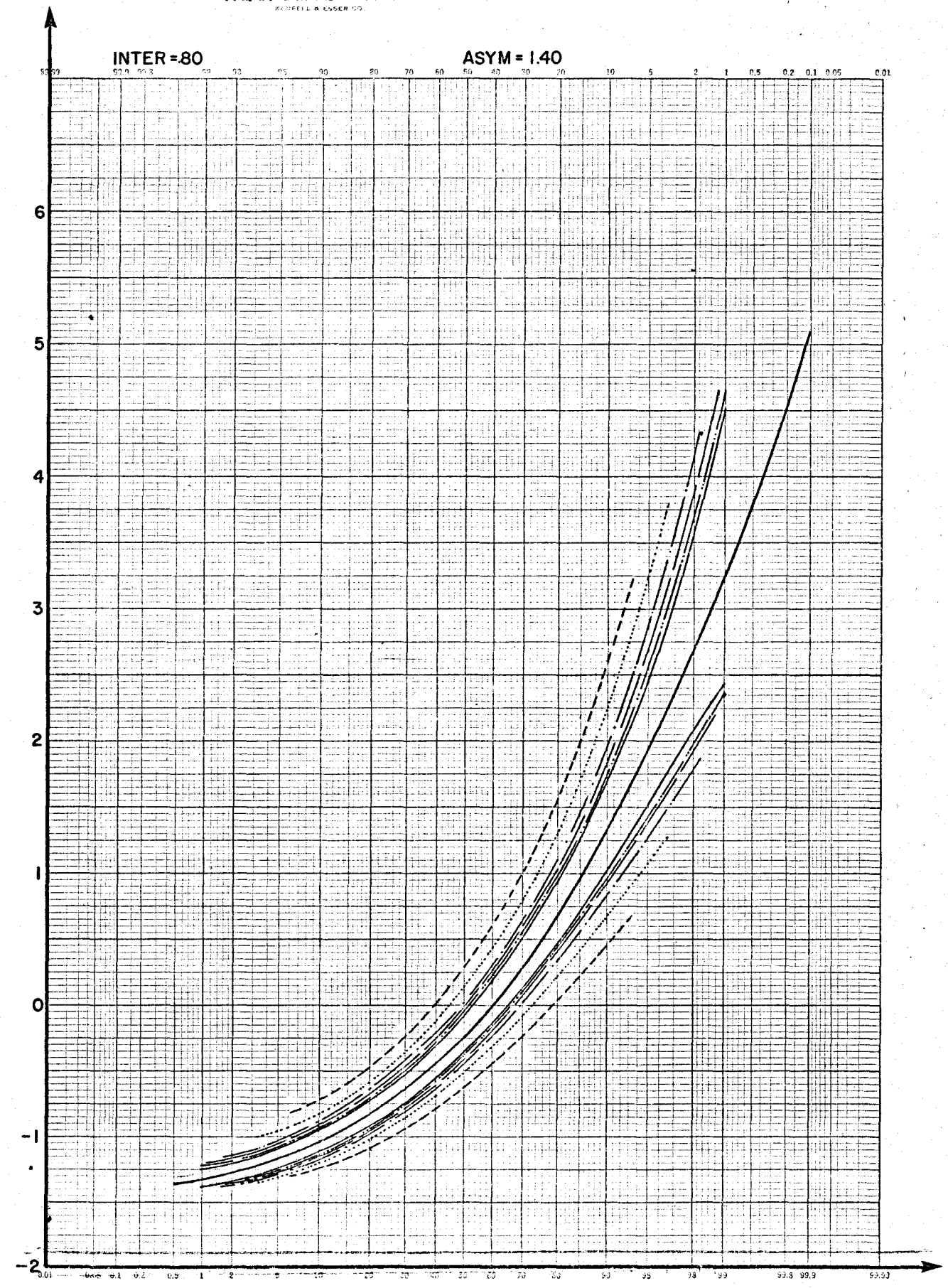
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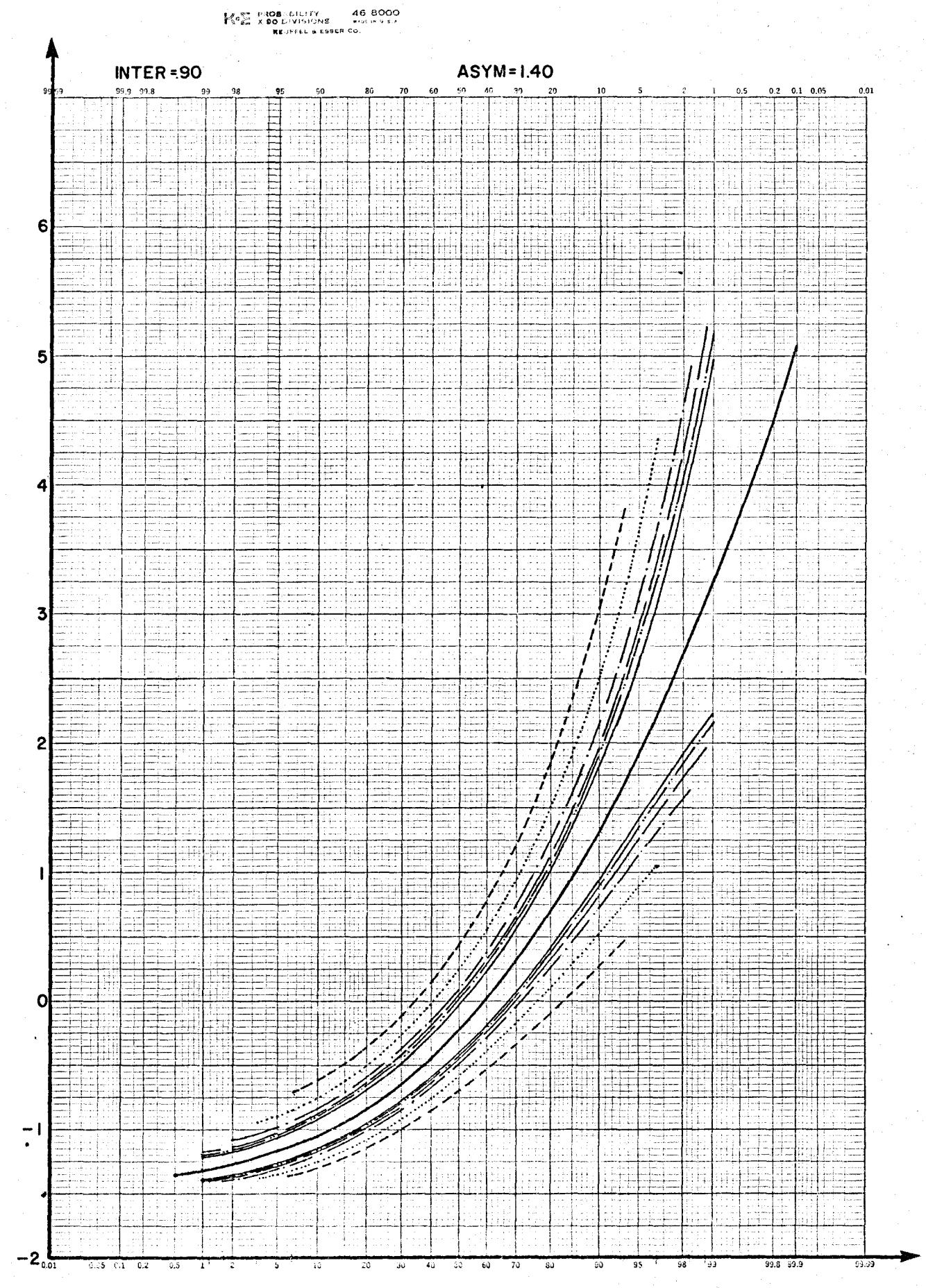
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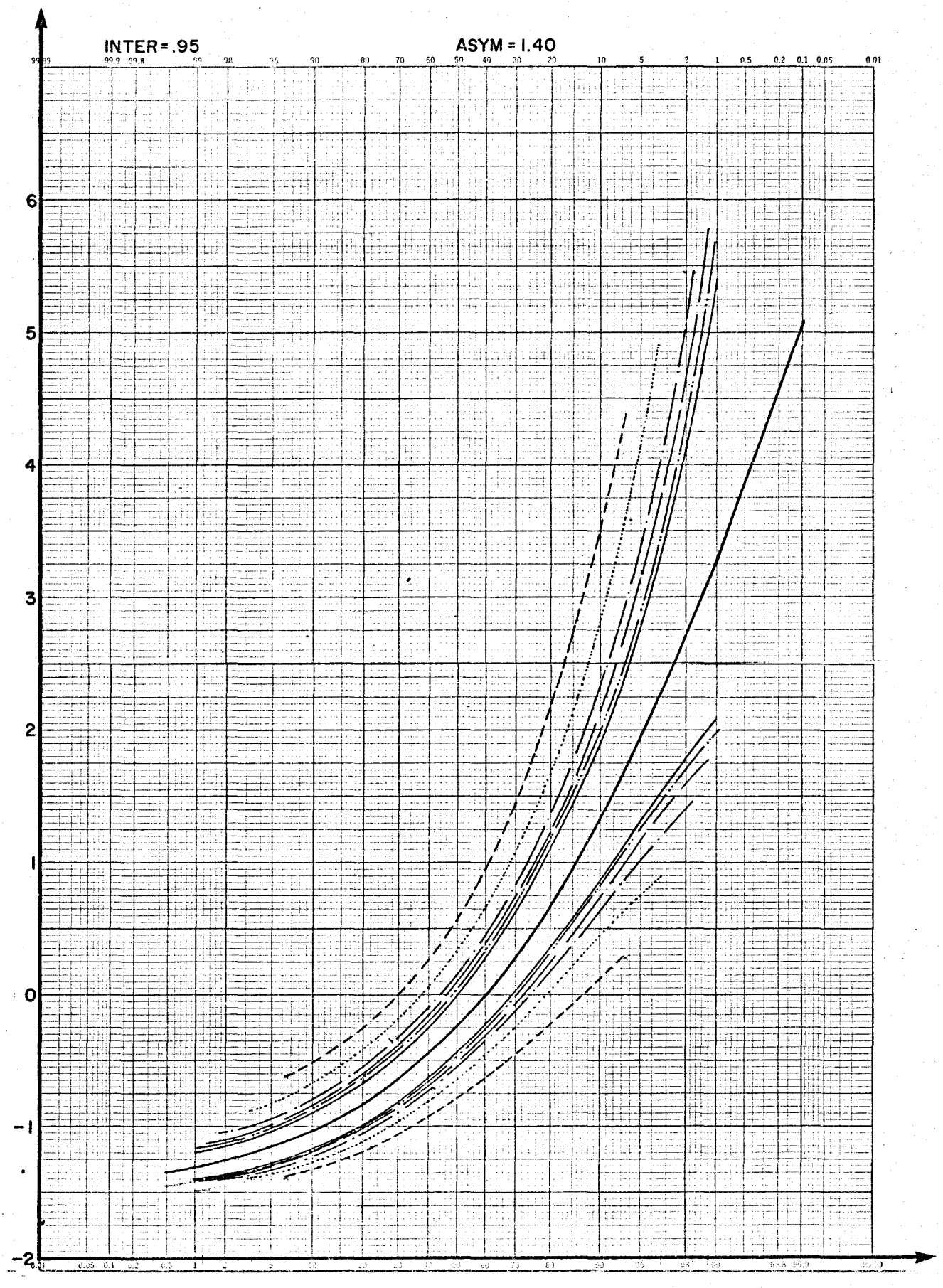
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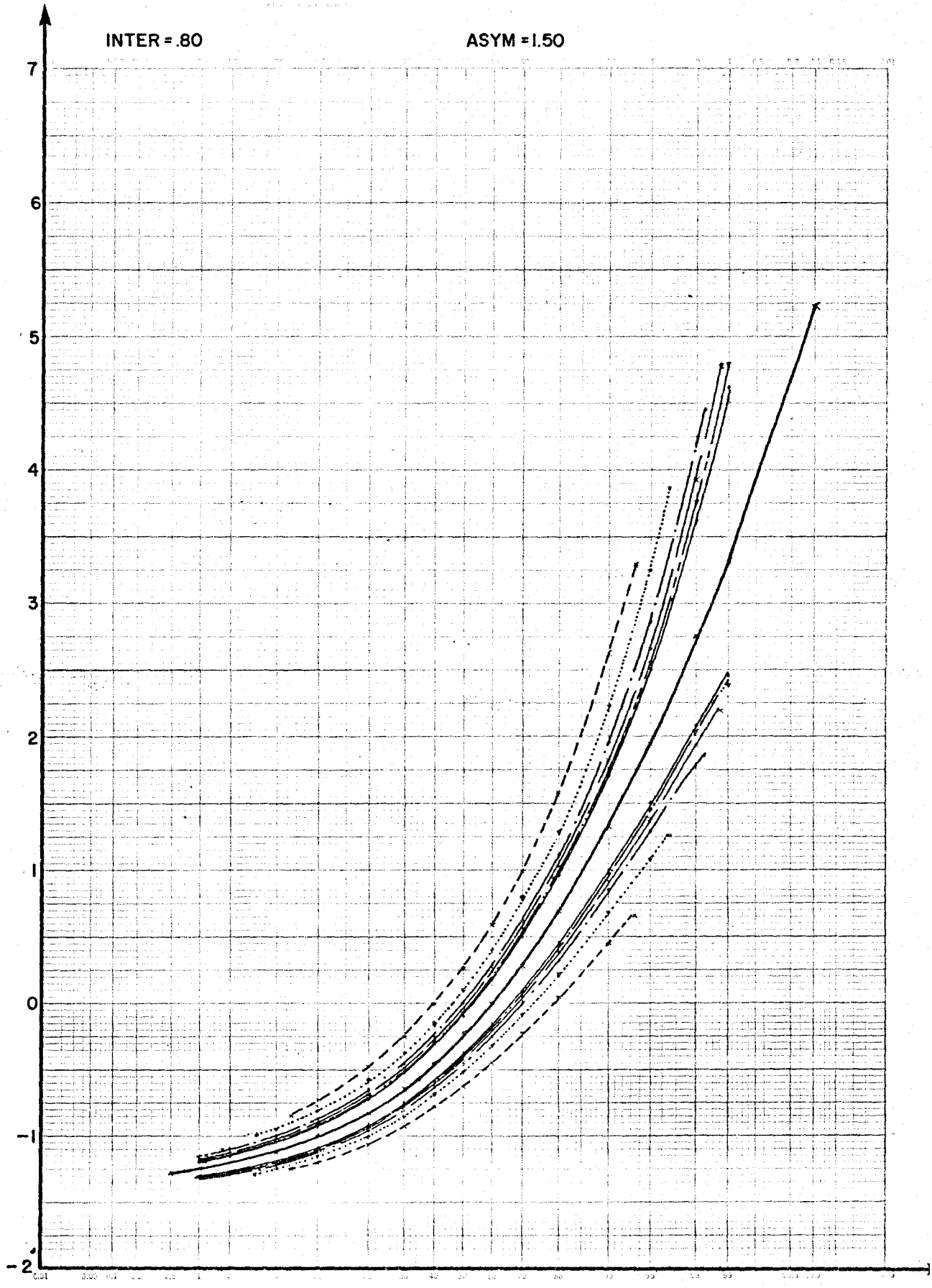
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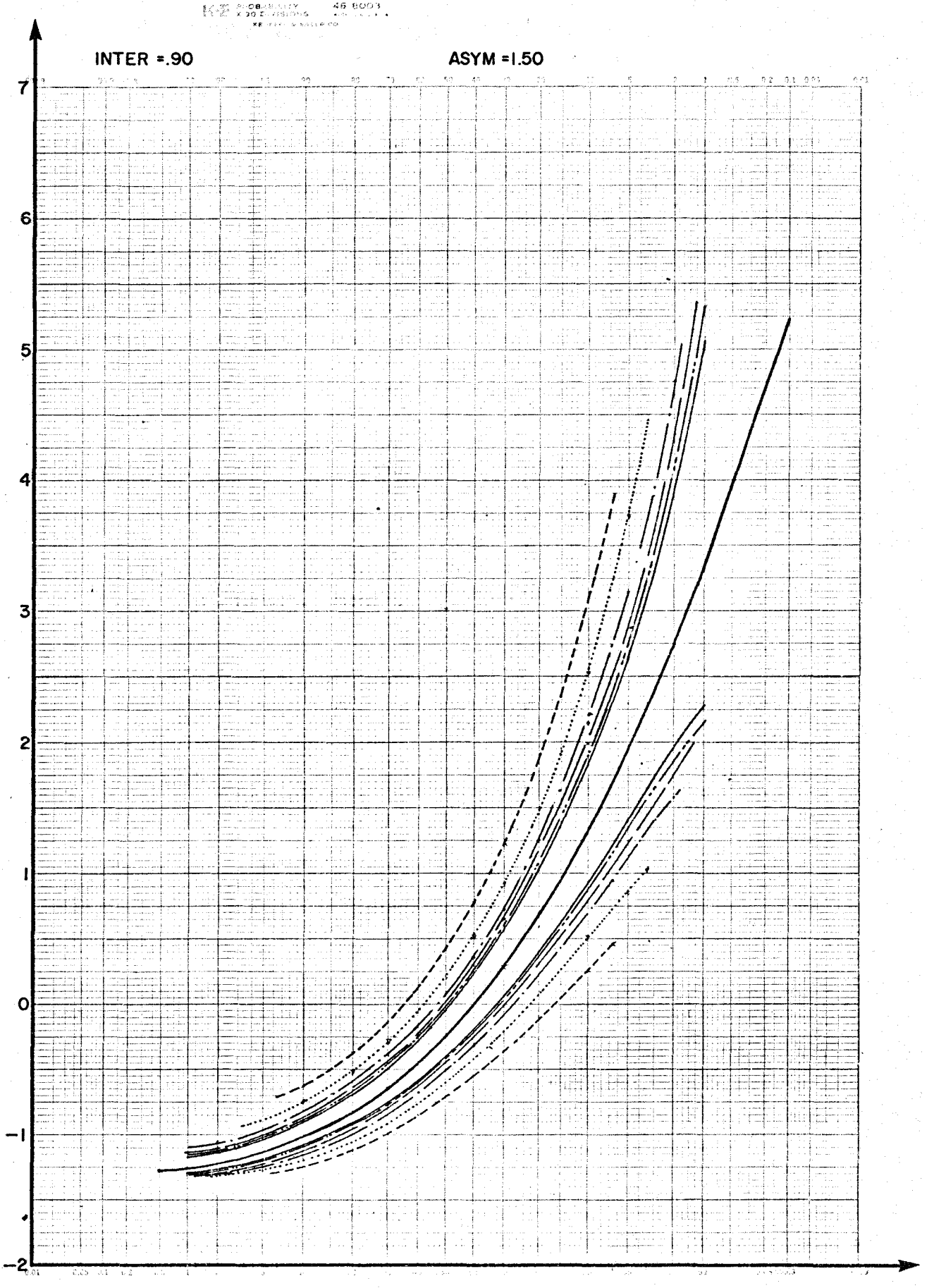
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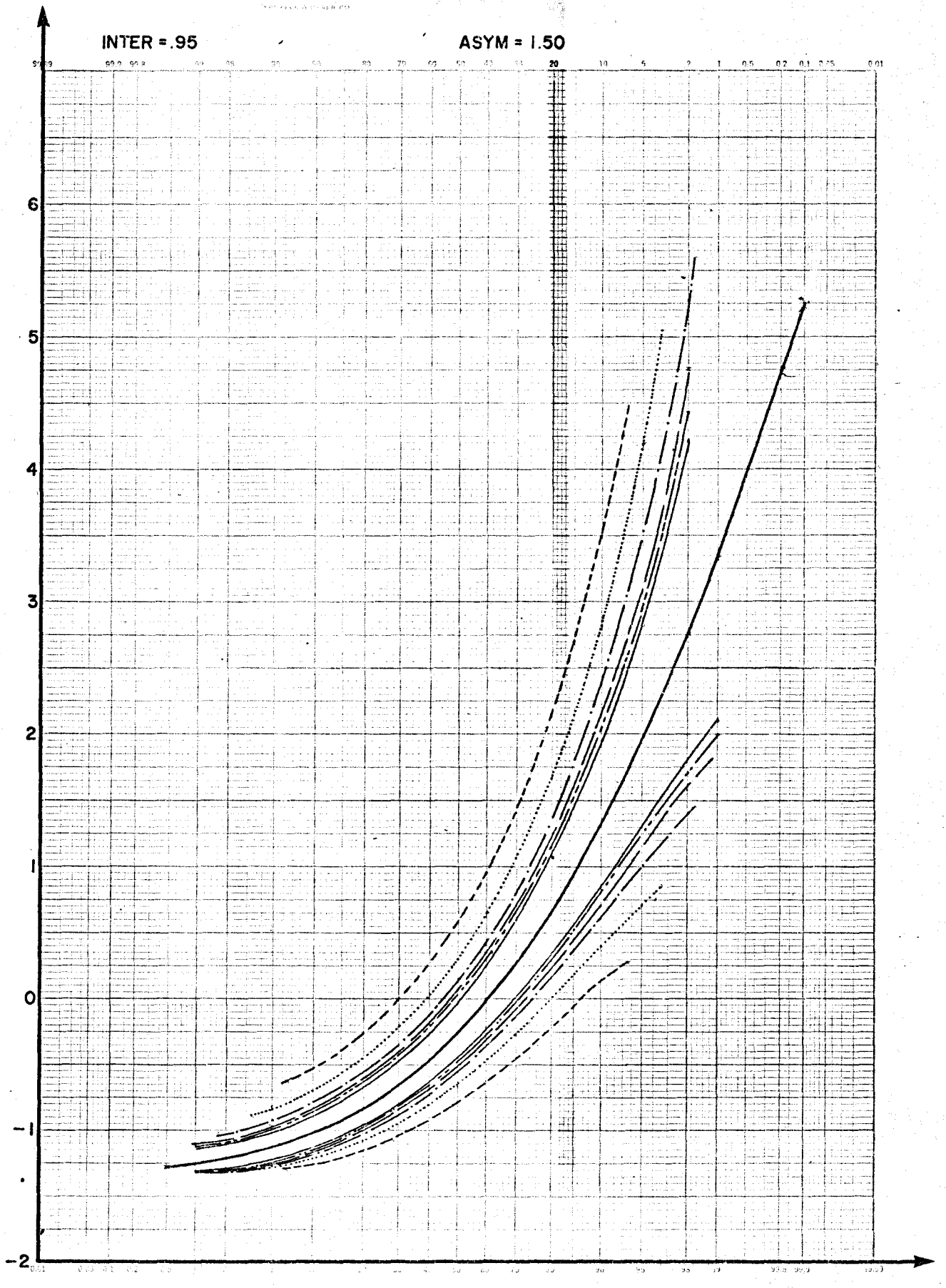
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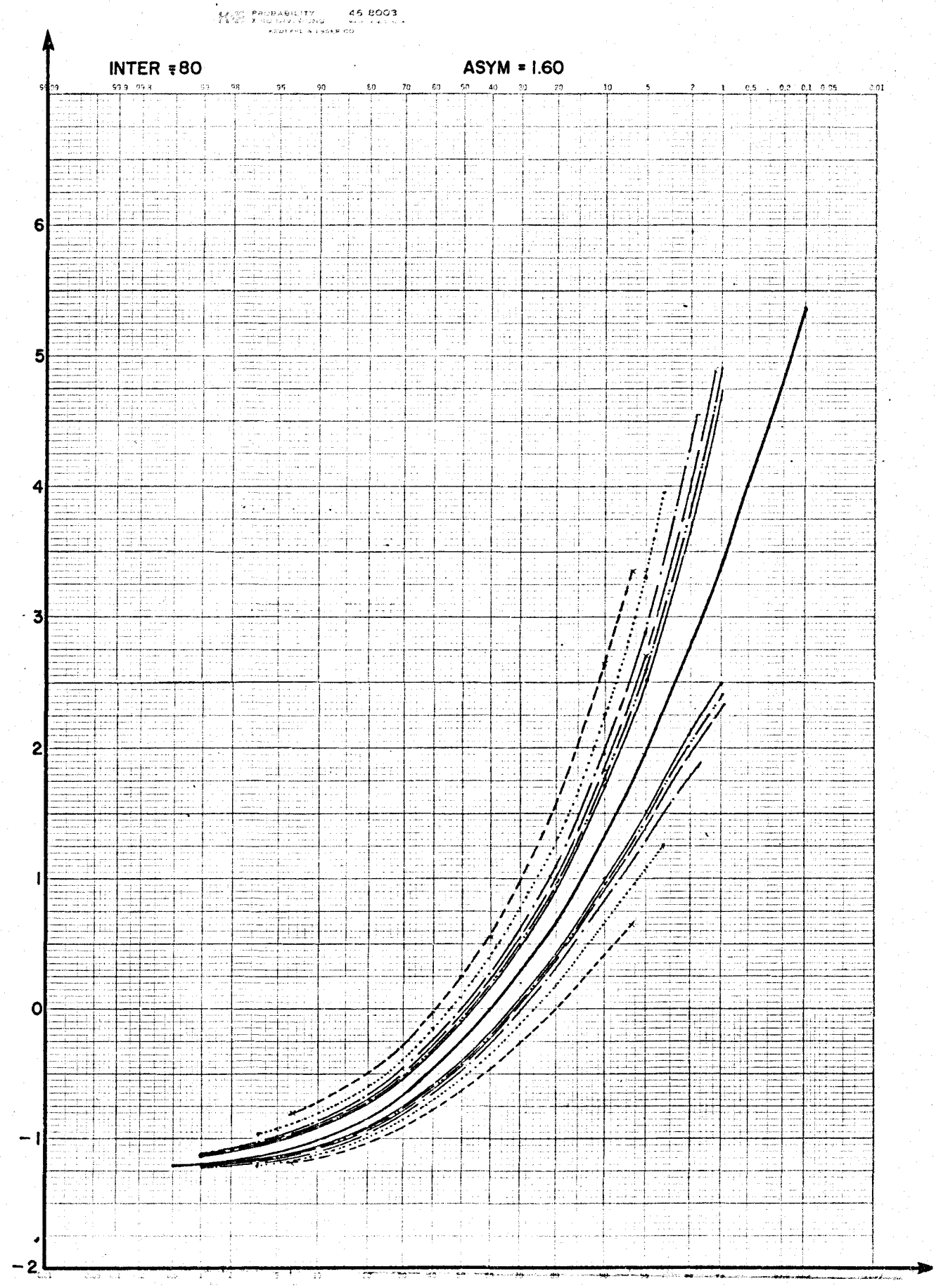
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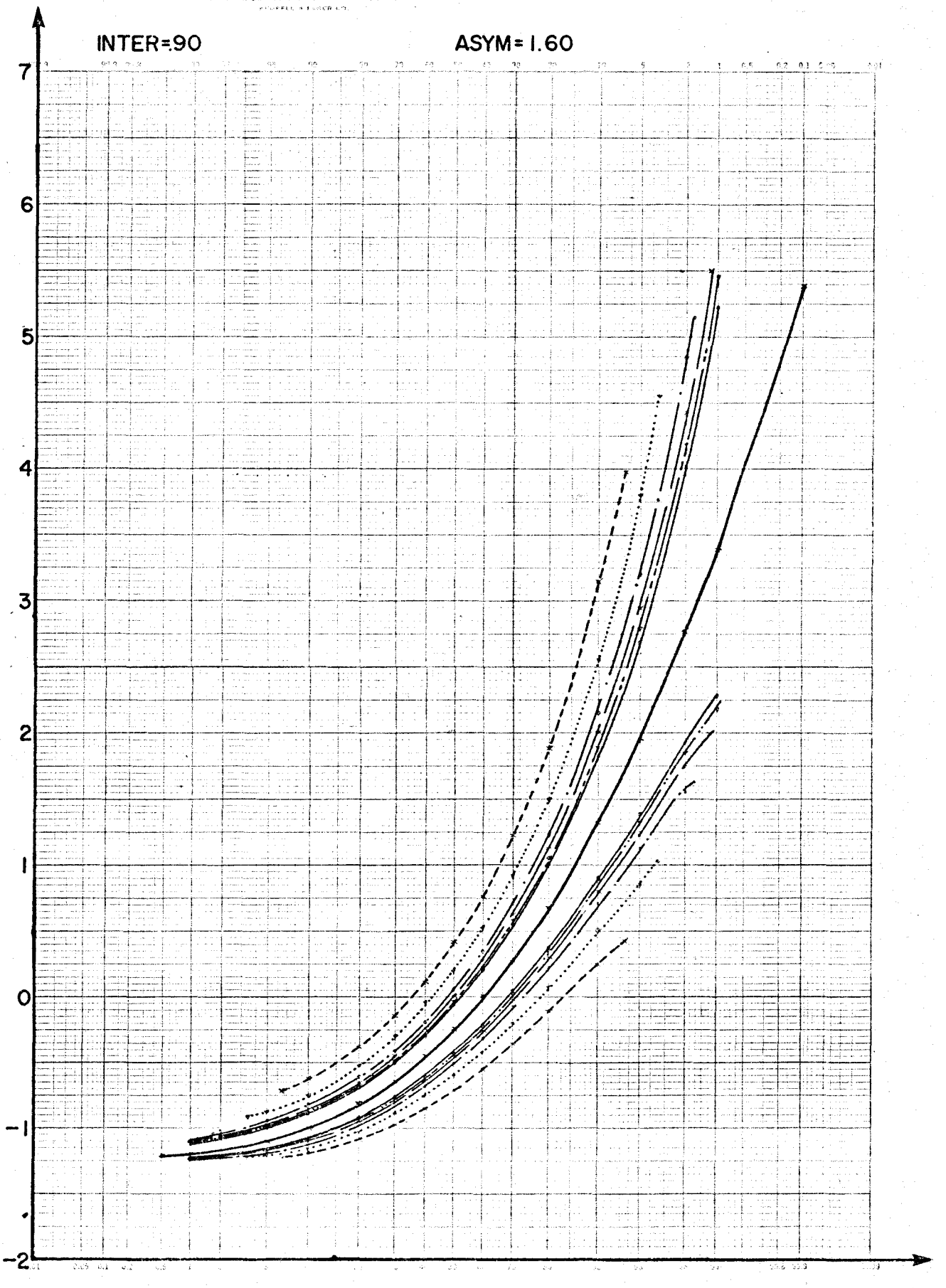
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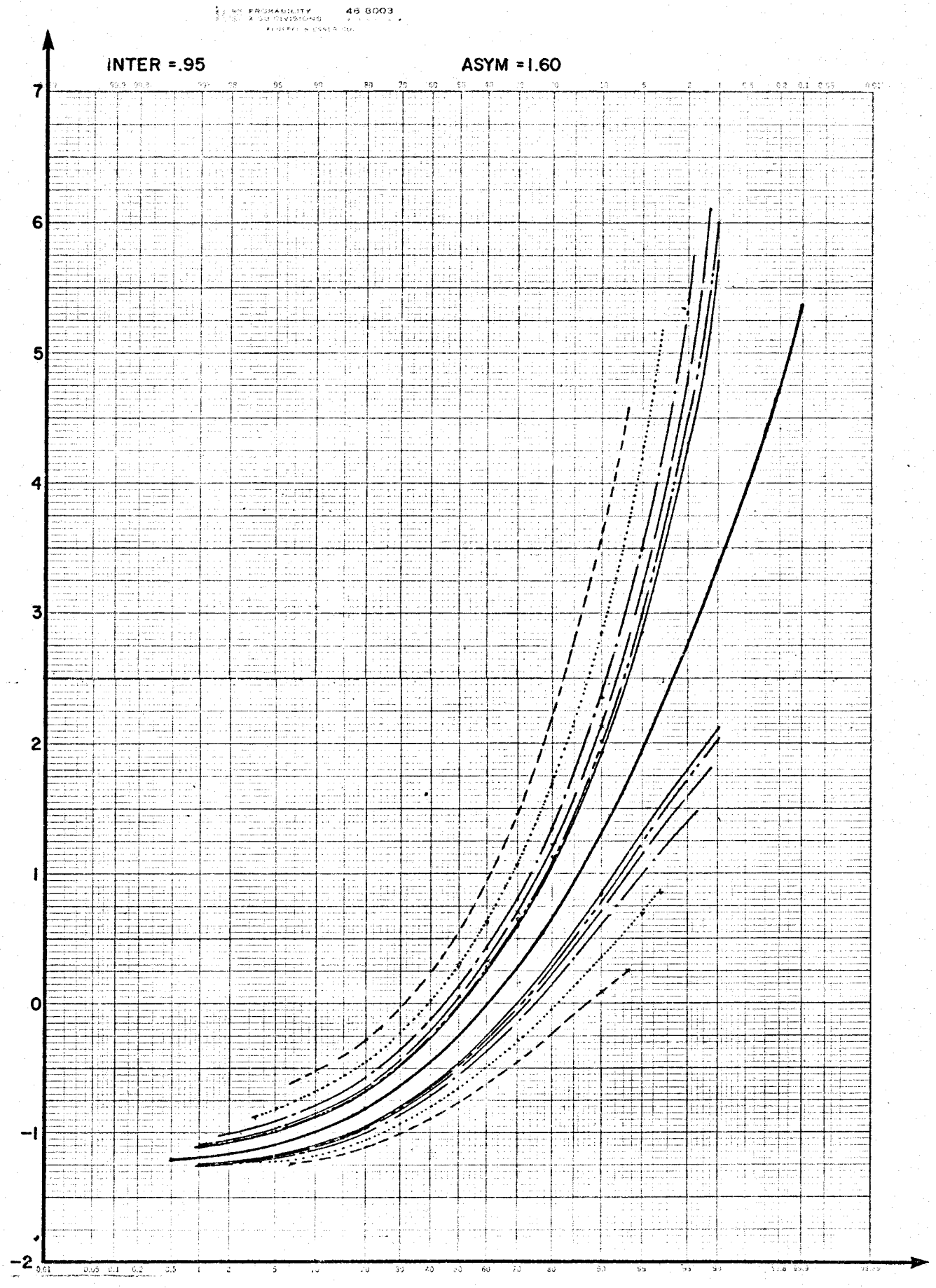
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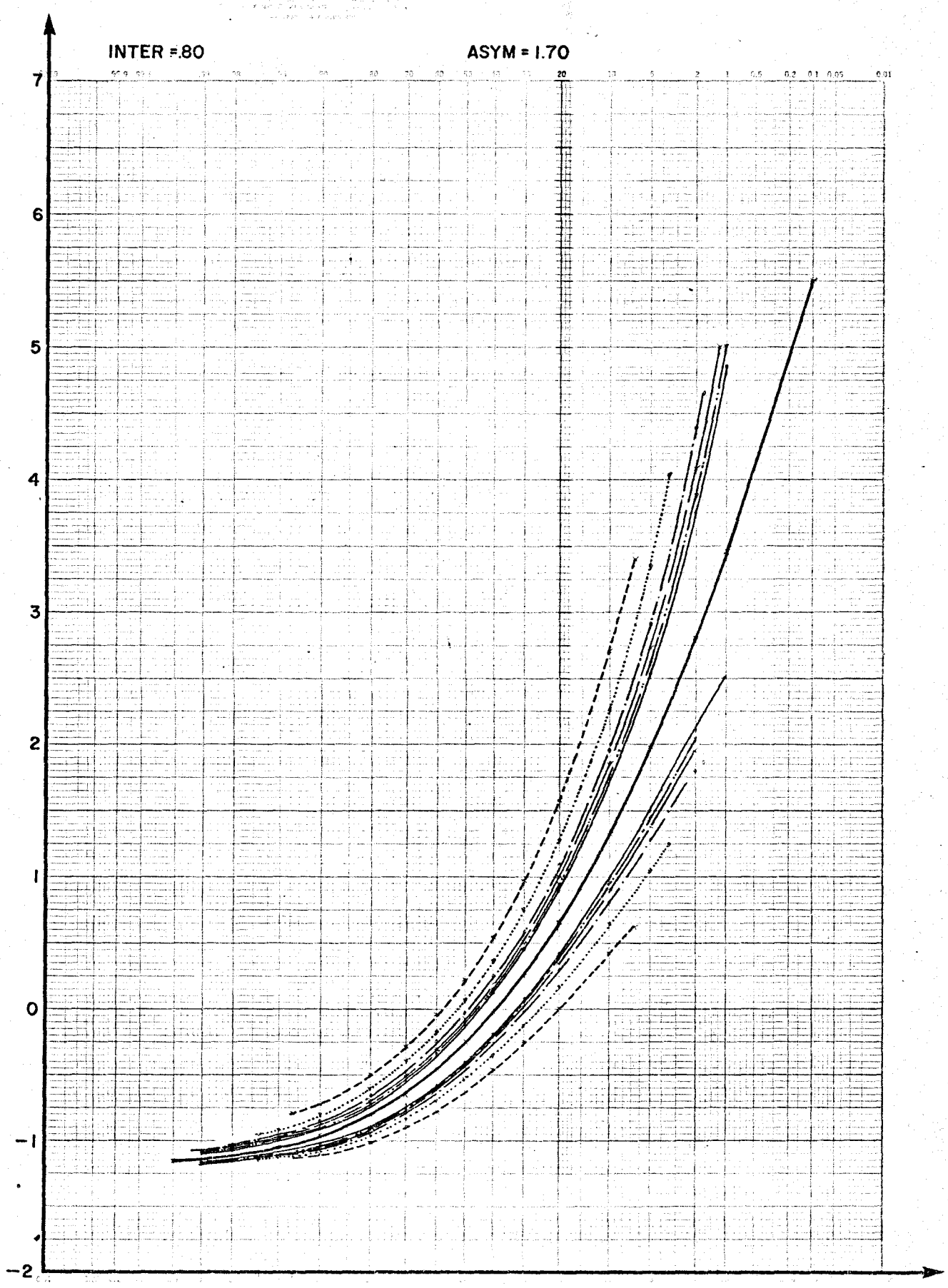
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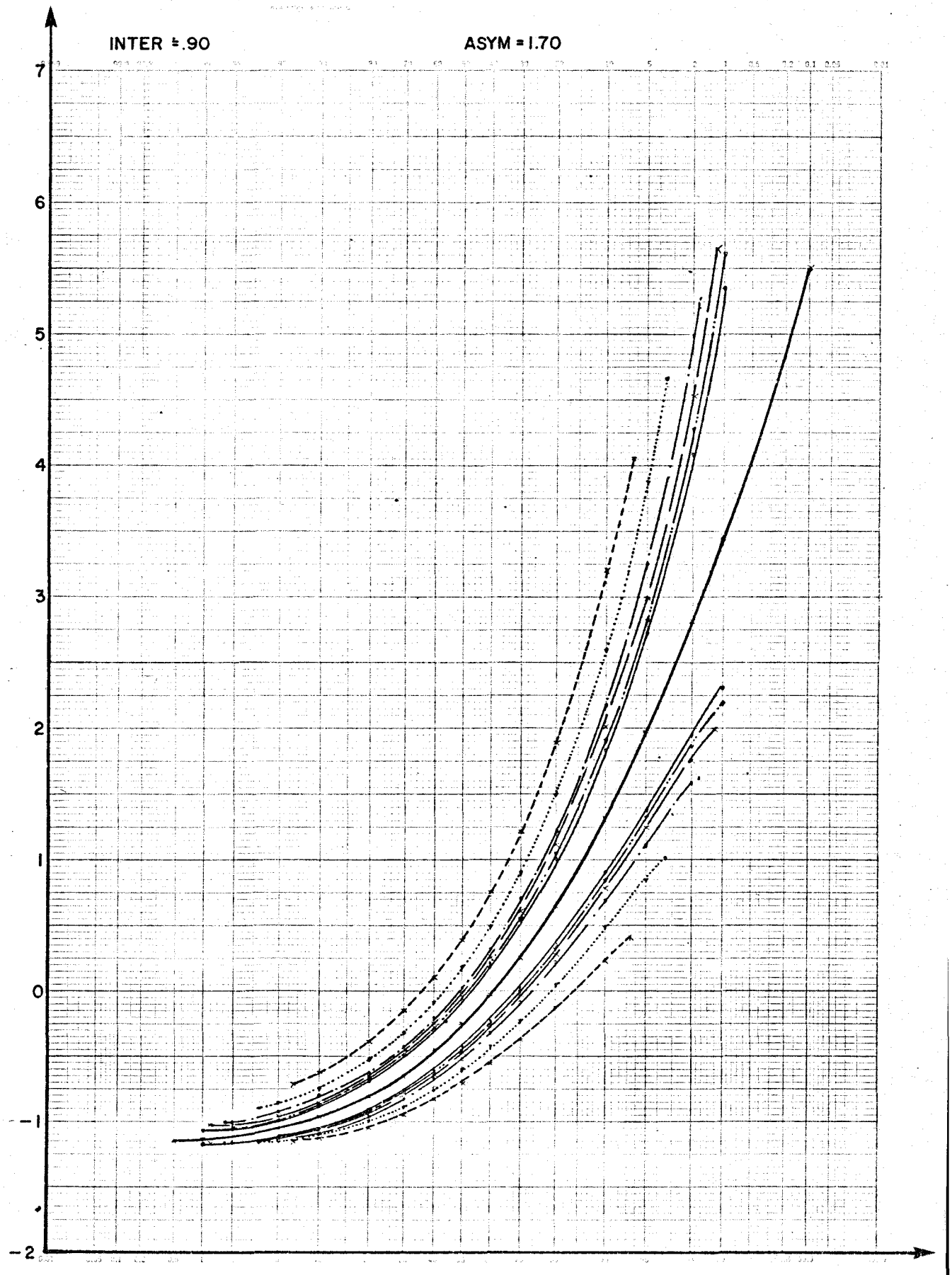
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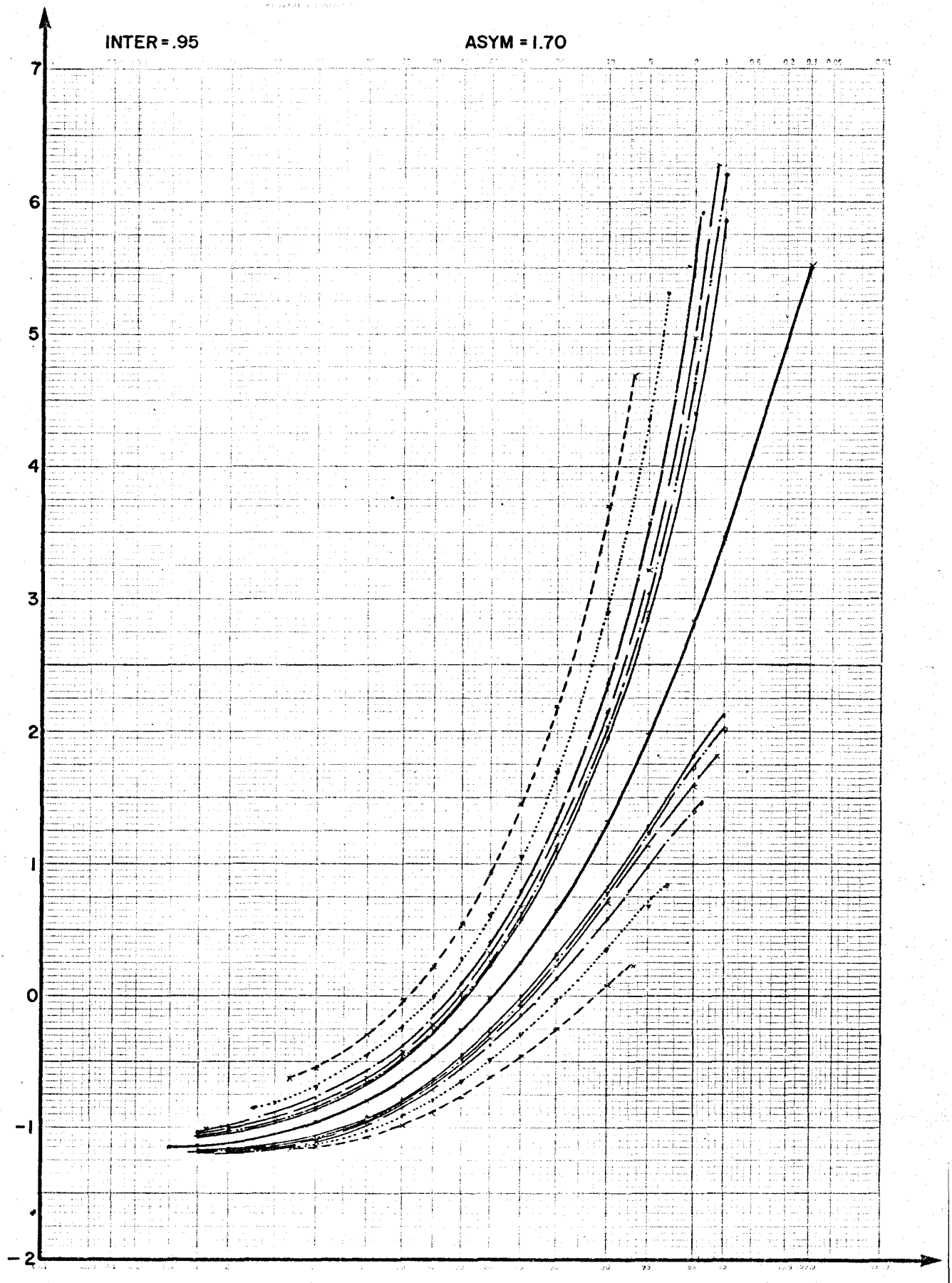
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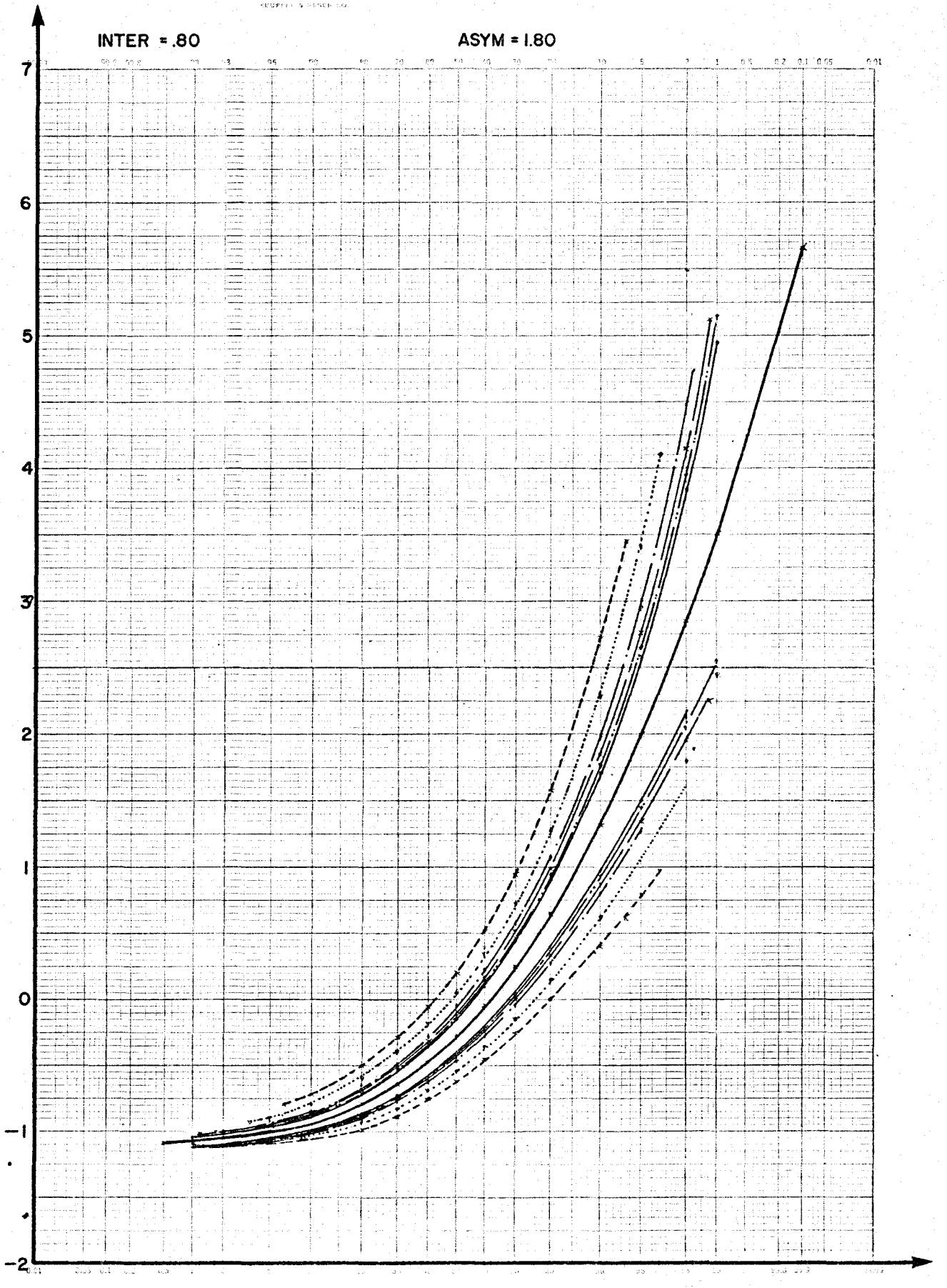
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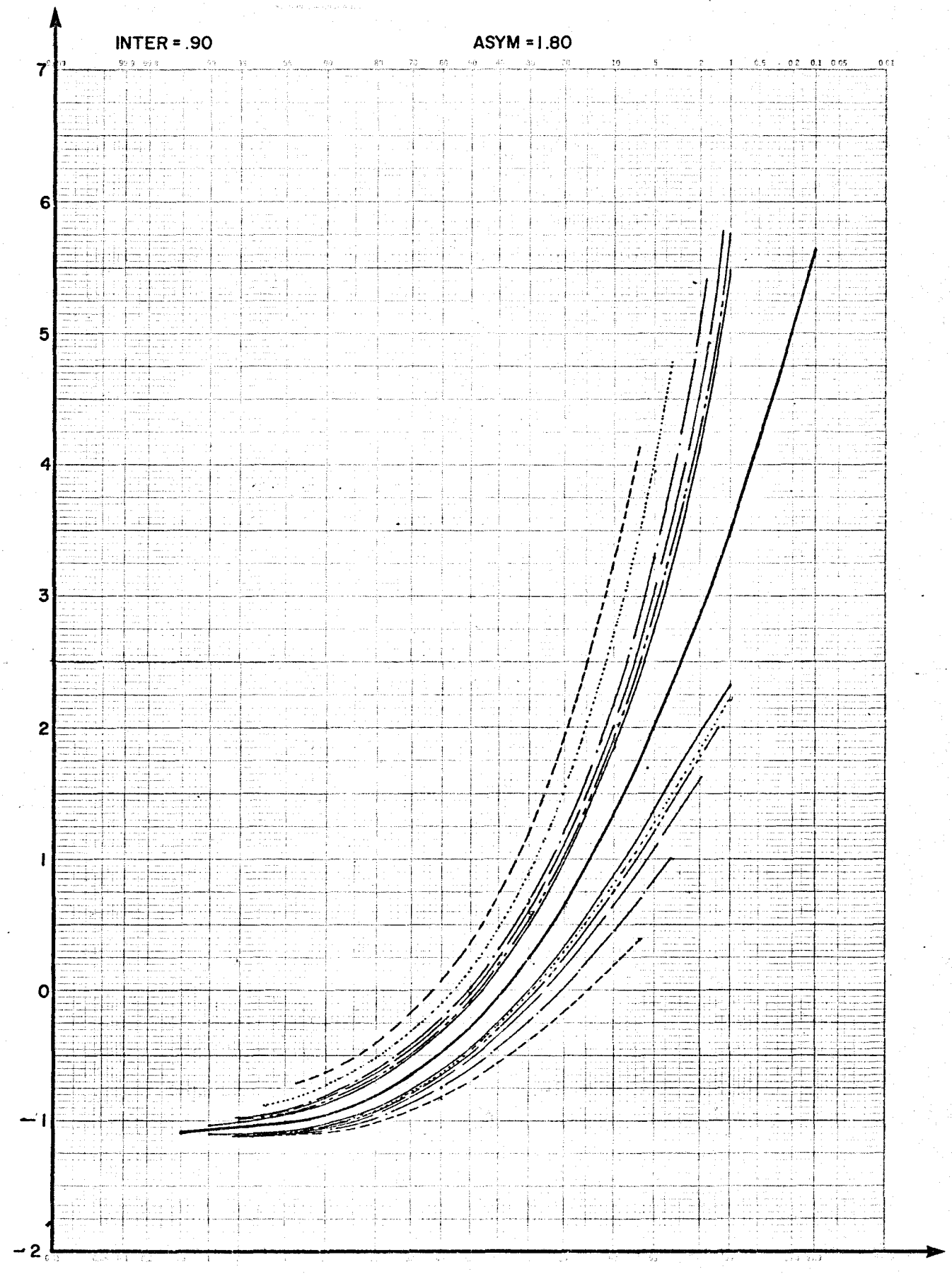
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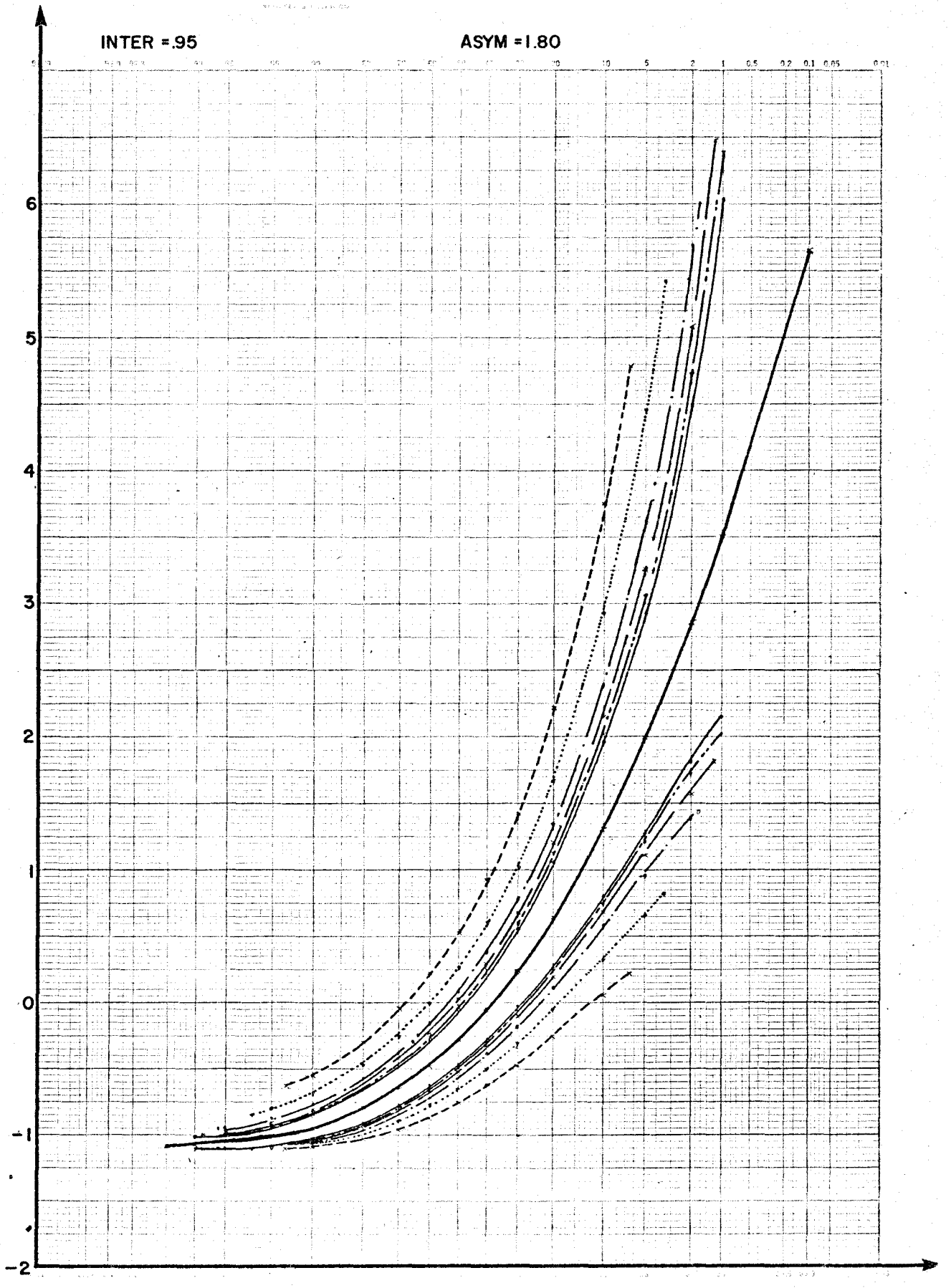
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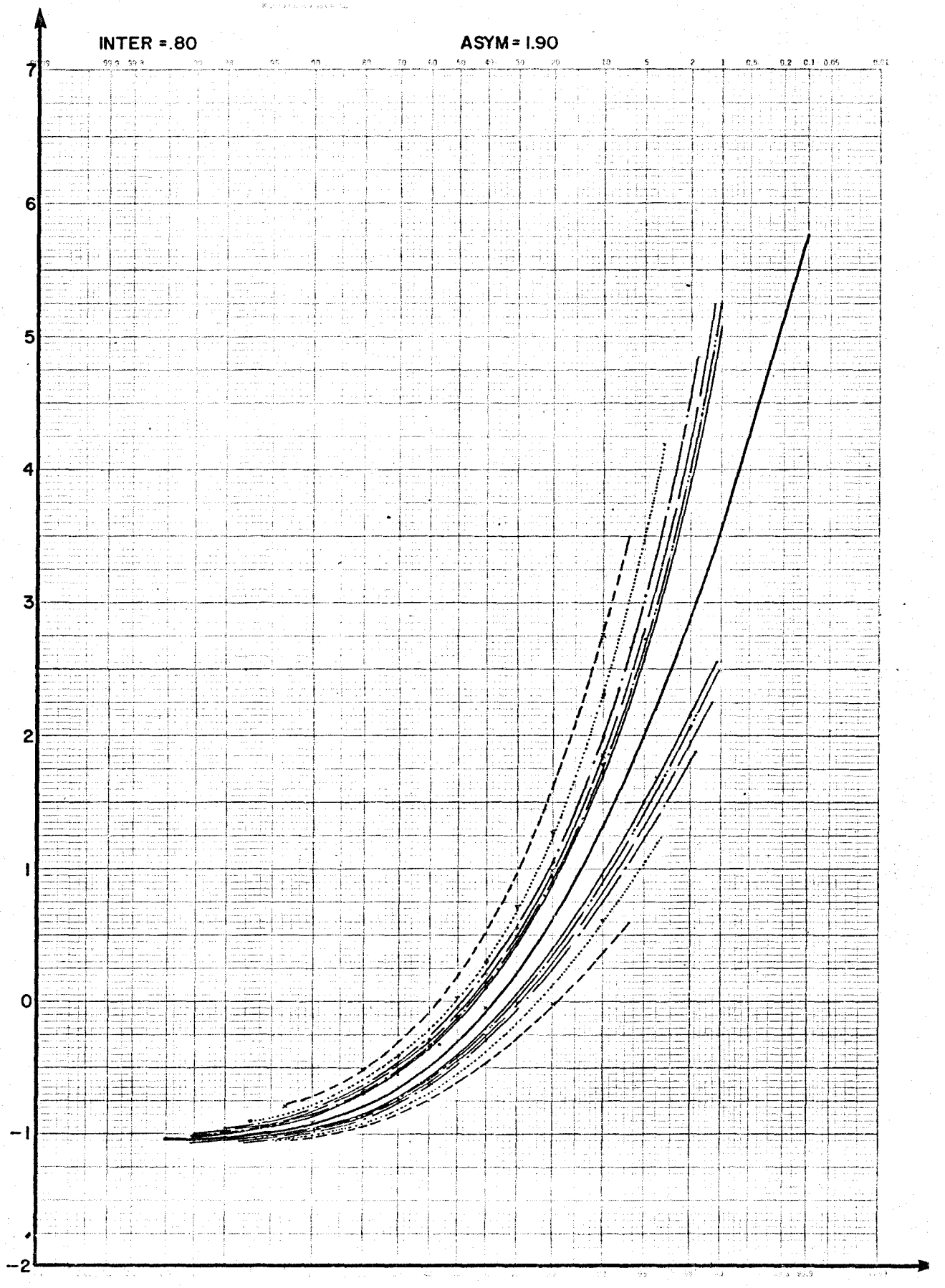
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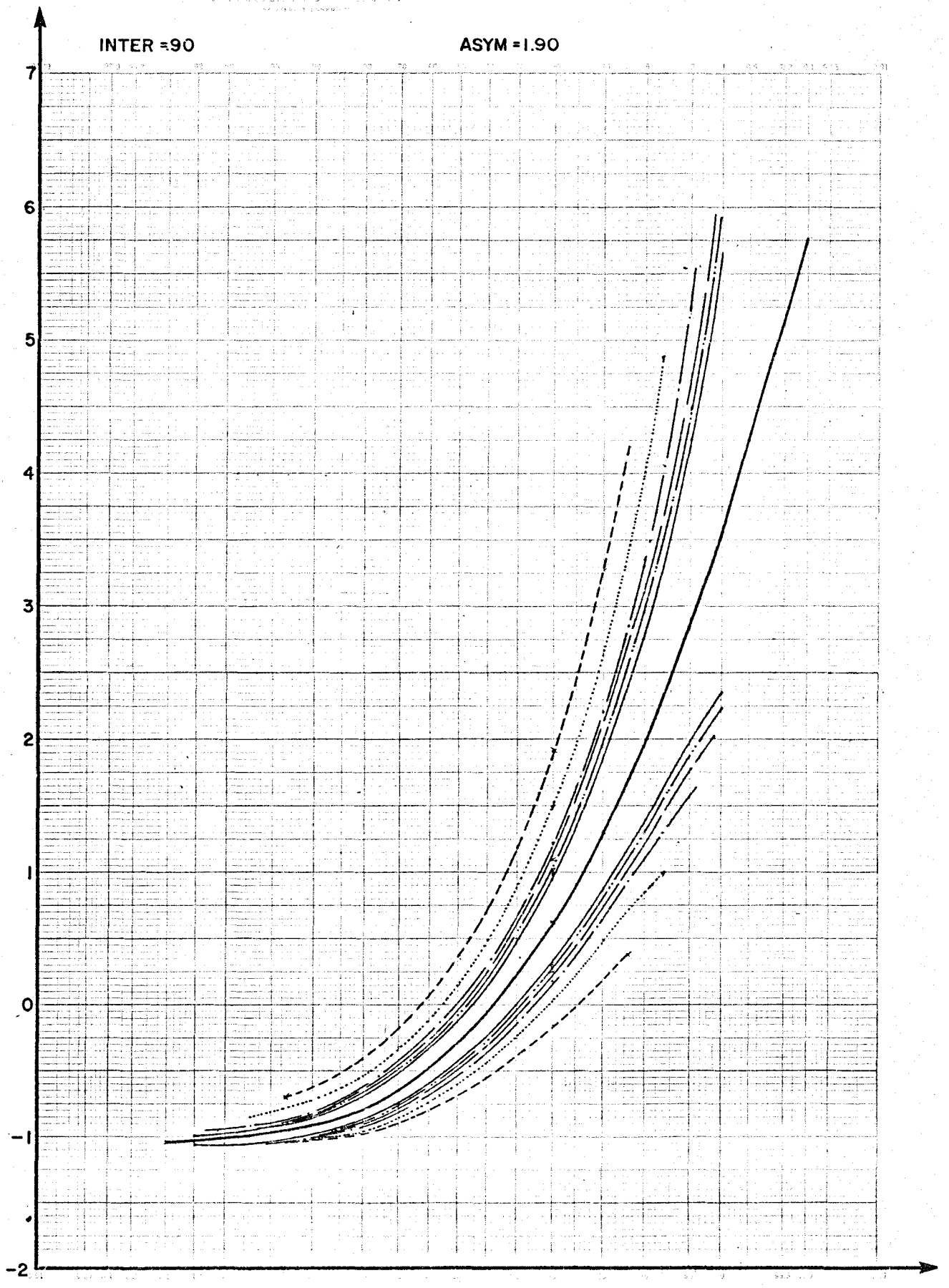
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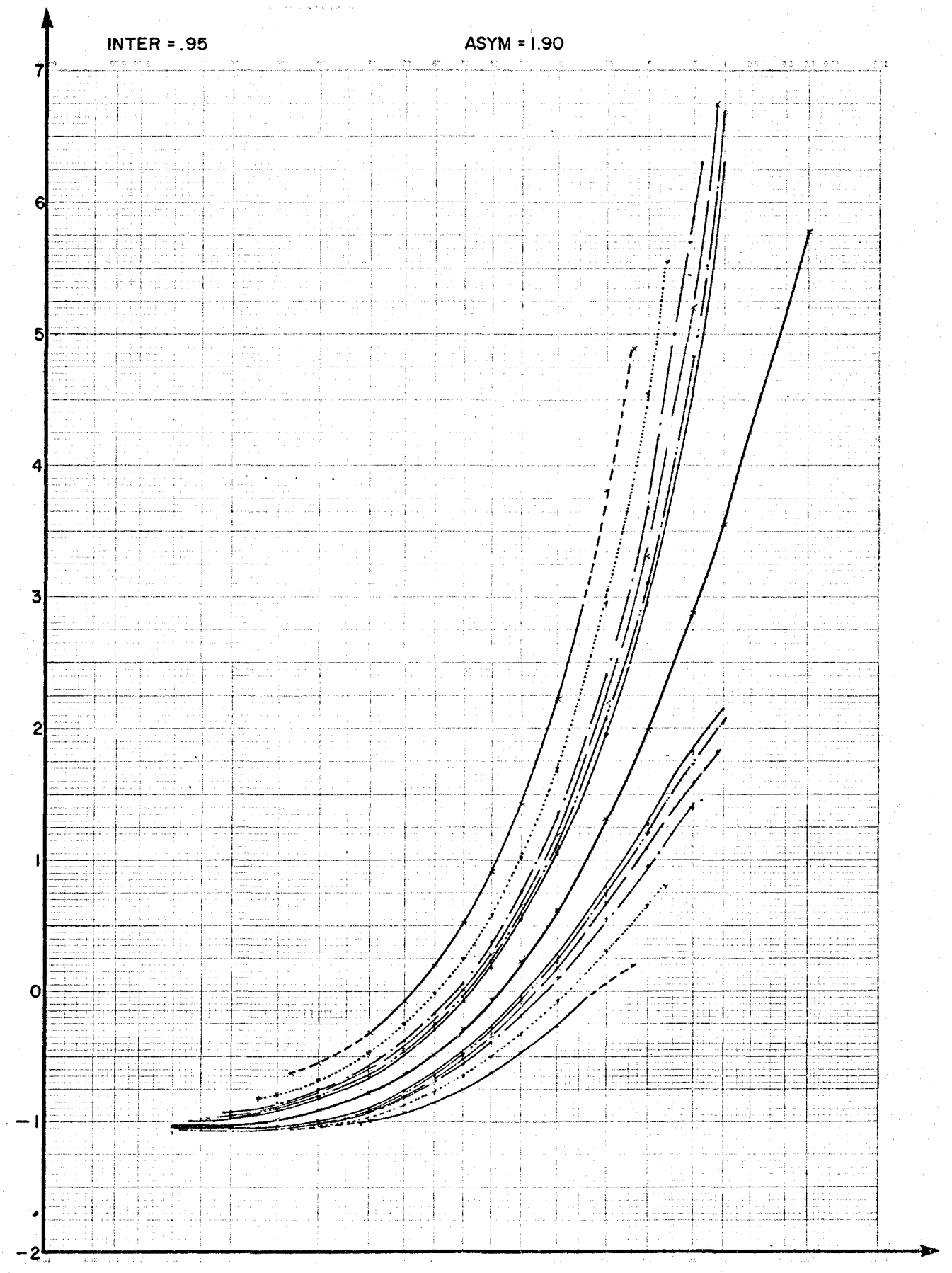
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ANNEXE C

PROGRAMME CINT

Ce programme permet le calcul des valeurs standardisées des limites de l'intervalle de confiance.

1. But

Ce programme calcule les intervalles de confiance d'une loi Pearson III standardisée et de la forme dérivée à coefficient d'asymétrie négatif.

Dans le cas d'un asymétrie nulle, les calculs sont effectués pour la loi normale.

Les niveaux de confiance considérés sont 95%, 90%, 80%. Si on veut faire le calcul pour d'autres niveaux, il faut changer:

- les valeurs de PPRI (voir CINT ligne 6);
- les valeurs de KVAN (voir CINT ligne 7).

2. Cartes de données

a) Carte donnant 15 probabilités pour lesquelles on veut déterminer la valeur de la variable réduite (lecture à la ligne 8 de CINT).

b) Carte donnant l'asymétrie de la loi Pearson III pour la fin des calculs on indique une asymétrie de - 99 (CINT ligne 10).

c) Carte donnant l'abscisse minimum (XMIN), l'abscisse maximum (XMAX) et le pas d'intégration (DX), on répète cette carte aussi souvent que nécessaire et on finit par une carte blanche (CINT ligne 16).

d) Carte donnant la taille de l'échantillon (NOMB) pour lequel l'intervalle est calculé. On répète cette carte pour toutes les tailles désirées et on finit par une carte blanche (lecture dans CINT ligne 56).

e) On retourne en b.

3. Méthode de calcul

Les notations utilisées sont celles du rapport.
Les calculs sont effectués pour la loi Gamma à un paramètre (cf table 1) qui est beaucoup plus simple que la forme standardisée, on retourne ensuite à la variable standardisée on a donc:

$$F(y) = \int_0^y e^{-x} x^{\lambda-1} dx$$

La méthode utilisée nécessite la connaissance de la probabilité empirique, si on veut modifier cette formule il faut changer les lignes 64, 67, 75 du programme CINT.

L'intégration de la distribution cumulée des statistiques d'ordre est effectuée par parties, les termes qui interviennent sont les suivants:

TEM ( ) : représente la fonction densité de probabilité f(y) de la loi Gamma, les valeurs sont calculées de 1 à NX.

P11 ( ) : représente l'intégrale de TEM, c'est la distribution cumulée F(y) qui est calculée de 1 à NX.

FT ( ) : représente la fonction densité de probabilité de la variable d'ordre k et est calculée de 1 à NX.

FZ ( ) : représente l'intégrale de FT, c'est la distribution cumulée de la statistique d'ordre k, elle est calculée de 1 à NX.

La connaissance de ces fonctions permet de déterminer les valeurs des variables standardisées correspondant à un niveau de confiance donné:

- on détermine par F(Z) les valeurs correspondant aux probabilités $\alpha/2$ et $1 - \alpha/2$ (pour un niveau $1 - \alpha$);

- on retourne avec ces valeurs dans P11 pour en déduire les probabilités correspondantes;

- on passe ensuite à la variable réduite en connaissant les probabilités par la fonction PEARS 3 qui utilise le développement de CORNISH-FISHER.

PROGRAM CINT TRACE CDC 6400 FTN V3.0-P288 OPT=

```
      PROGRAM CINT(INPUT,OUTPUT)
      DIMENSION TTN(15,3,3)
      DIMENSION PROA(15),TTT(15, 3,3),FT(2500),FZ(2500)
      DIMENSION        KVAN(3),JJIN(6),PPRI(6)
      DIMENSION XX(2500),NO(20)   ,TEM(2500),P11(2500)
      DATA PPRI/.025,.05,.10,.90,.95,.975/
      DATA KVAN/95,90,80/
      READ 52,PROA
   52 FORMAT(15F3.3)
    7 READ 10,ASYM
      NX=1
      XX(1)=0
      IF(ASYM.EQ.0.)GO TO 16
   10 FORMAT(3F7.3)
      IF(ASYM.EQ.-99)GO TO 99
      G=4./(ASYM*ASYM)
   16 READ 10,XMIN,XMAX,DX
      IF(XMAX.EQ.0.)GO TO 20
      IF(ASYM.EQ.0.)XX(1)=XMIN
   15 NX=NX+1
      XX(NX)=XX(NX-1)+DX
      IF(XX(NX).LT.XMAX)GO TO 15
      IF(XX(NX).EQ.XMAX)GO TO 16
      NX=NX-1
      GO TO 16
   20 IF(ASYM.EQ.0.)GO TO 207
      GX=G-1
      CALL FACTO(GX,TEMB)
  733 FORMAT(3X,*  FACTORIEL DE  *,2F10.4)
   22 DO 30 J=1,NX
      IF(XX(J))37,37,36
   37 TEM(J)=0.
      GO TO 30
   36 PRRODD=ALOG(XX(J))
   34 TEM(J)= EXP  ((-XX(J)+(G-1.0)*PRRODD      )-TEMB)
   30 CONTINUE
   31 FORMAT(*1  INTERVALLES DE CONFIANCE POUR UNE LOI GAMMA  * //
     13X,* ASYMETRIE = *,F10.2,*  GAMMA = *,F10.2 //
     2* NOMBRE D INTERVALLES  *,I6,* TEM DE 1 ET NX  *,2F10.8//
     2*INTEGRATION DE *,F8.3,* A *,F8.3//)
      GO TO 208
  207 XX(1)=XX(2)-.01
      SURPI=1./(SQRT(2.*3.14158))
      DO 217 J=1,NX
      VAL=XX(J)*XX(J)/2.
      TEM(J)=SURPI*EXP(-VAL)
  217 CONTINUE
  208 P11MA=0.
      P11(1)=0.
      DO 33 J=2,NX
      P11(J)=P11(J-1)+(((TEM(J-1)+TEM(J))/2.)*( XX(J)-XX(J-1)))
      P11(J)=ABS(P11(J))
      P11MA=AMAX1(P11MA,P11(J))
      IF(P11(J).GT.1.)P11(J)=1.
   33 CONTINUE
```

```
      50 READ 51,NOMB
         JFF=0
      51 FORMAT(I5)
         IF(NOMB.EQ.0)GO TO 7
60       PRINT 31,ASYM,G,NX,TEM(1),TEM(NX),XX(1),XX(NX)
         K1=1
     189 PR=PROA(K1)
         TTT(K1,1,1)=PR
         PN=(NOMB+.4)*PR+0.3
65       IF(PN.GT.1.0)GO TO 1082
         PN=1.0
         PR=.700/(NOMB+.4)
    1083 K1=K1+1
         IF(PROA(K1).LT.PR)GO TO 1083
70       K1=K1-1
         K4=K1
         TTT(K1,1,1)=PR
    1082 PNOMM=NOMB
         IF(PN.LT.PNOMM)GO TO 882
75       PR=(NOMB-.3)/(NOMB+.4)
         JFF=1
         TTT(K1,1,1)=PR
         PN=NOMB
     110 FORMAT(3X,2F12.4,I10)
80       882 FT(1)=0.
         PUIS=NOMB-PN
         DO 55 J=2,NX
         IF(P11(J).GE.1.)FT(J)=0.
         IF(P11(J).GE.1.)GO TO 55
85       ZZZ=(1.-P11(J))**PUIS
         IF(ZZZ.GT. 1.)ZZZ=1.
         IF(TEM(J).GT.0.000000001)GO TO 7986
         FT(J)=0.
         IF(TEM(J).LT.0.000000001)GO TO 55
90       IF(P11(J).GT.0.000000001)GO TO 7986
         IF(P11(J).LT.0.00000001.AND.PN.GE.1.)FT(J)=0.
         GO TO 55
    7986 FT(J)=(TEM(J)*ZZZ                    * (P11(J)**(PN-1.)))
         IF(FT(J).GT.10.)PRINT 91233,J,FT(J),TEM(J),P11(J),PN,ZZZ
95   91233 FORMAT(2X,I4,3F20.13,F12.4,F17.15//)
        55 CONTINUE
     8007 FORMAT(3X,*  FT   *,2F15.5)
         GXX=NOMB
         CALL FACTO(GXX ,TMH1)
100      GXX=PN-1.
         CALL FACTO(GXX,TMB1)
         GXX=NOMB-PN
         CALL FACTO(GXX,TMB2)
     8010 FORMAT(*    FACTO  *,2F15.8)
105      FAC=EXP(TMH1-(TMB1+TMB2))
         FZ(1)=0
         DO 60 J=2,NX
         FZ(J)=FZ(J-1)+FAC*(((FT(J-1)+FT(J))/2.)*(XX(J)-XX(J-1)))
        60 CONTINUE
110      NPRI=1
```

```
                DO 200 J=1,NX
                IF(FZ(J).LT.PPRI(NPRI))GO TO 200
                JJIN(NPRI)=J
                NPRI=NPRI+1
115             IF(NPRI.GT.6)GO TO 205
             200 CONTINUE
             205 PRINT 9078,PR,NOMB,JJIN,PN    ,FZ(NX),FAC
                IF(FZ(NX).GT.1.4)GO TO 8798
            9078 FORMAT(3X,F8.3,7I8,2F12.7,F12.3)
120             DO 600 KV=1,3
                JIN=JJIN(KV)
                JSU=JJIN(7-KV)
                PRI=PPRI(KV)
                PRS=PPRI(7-KV)
125             ZI1=PEARS3(P11(JIN-1),ASYM)
                ZI2=PEARS3(P11(JIN  ),ASYM)
                ZS1=PEARS3(P11(JSU-1),ASYM)
                ZS2=PEARS3(P11(JSU  ),ASYM)
                DFZT=FZ(JIN)-FZ(JIN-1)
130             DZ   = ZI2-ZI1
                DFZR=PRI-FZ(JIN-1)
                VIN1=ZI1+(DZ*DFZR)/DFZT
                DFZT=-DFZT
                DZ=-DZ
135             DFZR=FZ(JIN)-PRI
                VIN2=ZI2-(DZ*DFZR)/DFZT
                DFZT=FZ(JSU)-FZ(JSU-1)
                DZ=ZS2-ZS1
                DFZR=PRS-FZ(JSU-1)
140             VIN3=ZS1+(DZ*DFZR)/DFZT
                DFZT=-DFZT
                DZ=-DZ
                DFZR=FZ(JSU)-PRS
                VIN4=ZS2-(DZ*DFZR)/DFZT
145             TTT(K1,2,KV)=(VIN3+VIN4)/2.
                TTT(K1,3,KV)=(VIN1+VIN2)/2.
             600 CONTINUE
                K1=K1+1
                IF(K1.GT.15)GO TO 8088
150             PR=PROA(K1)
                IF(JFF.EQ.0)GO TO 189
            8088 K1=K1-1
                DO 2031 J=K4,K1
                 K2=K1-J +K4
155             TTN(J,1,1)=1-TTT(K2,1,1)
                TTN(J,2,1)=-TTT(K2,3,1)
                TTN(J,3,1)=-TTT(K2,2,1)
                TTN(J,2,2)=-TTT(K2,3,2)
                TTN(J,3,2)=-TTT(K2,2,2)
160             TTN(J,2,3)=-TTT(K2,3,3)
                TTN(J,3,3)=-TTT(K2,2,3)
            2031 CONTINUE
                PRINT 5000,NOMB,ASYM
            5000 FORMAT(*1*,///7X,* INTERVALLES DE CONFIANCE POUR LA LOI GAMM
165             1     N=*,I4,///30X,*ASYMETRIE  =*,F6.2//)
```

```
      PRINT 5007
 5007 FORMAT(22X,*INTERVALLE*,11X,*INTERVALLE*,11X,*INTERVALLE*/
     126X,*95 *,18X,*90 *,18X,*80 *)
      PRINT 5005
 5005 FORMAT(8X,*PROBABILITE*,  *   .025        .975  *,  *      .050
     1950 *,  *        .100        .900        */)
      DO 5001 J=K4,K1
      PRINT 5002,TTT(J,1,1),TTT(J,2,1),TTT(J,3,1),TTT(J,2,2),TTT(J,3
     1,TTT(J,2,3),TTT(J,3,3)
      IF(MOD(J,5).EQ.0)PRINT 1074
 5001 CONTINUE
 1074 FORMAT(1H )
 5002 FORMAT( 5X,F10.3,   2F10.3,1X,2F10.3,1X,2F10.3)
      ASYNN=-ASYM
      PRINT 2034,ASYNN
 2034 FORMAT(///30X,*ASYMETRIE  =*,F6.2//)
      PRINT 5007
      PRINT 5005
      DO 6001 J=K4,K1
      PRINT 5002,TTN(J,1,1),TTN(J,2,1),TTN(J,3,1),TTN(J,2,2),TTN(J,3
     1,TTN(J,2,3),TTN(J,3,3)
      IF(MOD(J,5).EQ.0)PRINT 1074
 6001 CONTINUE
      GO TO 50
 8798 PRINT 5555,(P11(JJ),JJ=1,100)
      PRINT 5555,(FT (JJ),JJ=1,100)
      PRINT 5555,(FZ (JJ),JJ=1,100)
      PRINT 5555,(TEM(JJ),JJ=1,100)
 5555 FORMAT(1X,10F13.9)
   99 STOP
      END
```

```
FUNCTION    PEARS3    TRACE                    CDC 6400 FTN V3.0-P288 OPT=

      FUNCTION PEARS3(P0,ASY)
      DOUBLE PRECISION T,T1,T2,X,P1,T3,T4,T5,T6,U
      DOUBLE PRECISION G,P,GAB
      DOUBLE PRECISION GAM,ER
      IF(ASY)200,201,201
  200 P=1-P0
      P0=P
      GO TO 203
  201 P=P0
      IF(ASY.EQ.0.) GO TO 231
  203 G=4/ASY/ASY
      GAM=G
      GAB=G
      VIN=DSQRT(G)
      FAC=1.
  231 IF(P-0.5)10,14,11
   14 U=0.
       GO TO 15
   11 FAC=-1.
      P=1-P
   10 T=DSQRT(DLOG(1./(P*P)))
      T1=T*(T*.010328+.802853)+2.515517
      T2=T*(T*(T*.001308+.189269)+1.432788)+1.
      X=T-T1/T2
      IF(ASY.EQ.0.) GO TO 232
      T=1./(1.+.2316419*X)
      P1=T*(T*(T*(T*(T*1.330274429-1.821255978)+1.781477937)-.356563
     1+.319381530)
      T3=.3989422804*DEXP(-0.5*X*X)
      T1=P1-P/T3
      T2=X+T1+0.5*X*T1*T1
      U=FAC*T2
   15 IF(G)13,13,50
   50 IF(G-1.0)60,60,20
   20 P1=U*U
      T1=(P1-1)/3
      T2=U*(P1-7)/36
      T3=(P1*(3*P1+7)-16)/810
      T4=U*(P1*(9*P1+256)-433)/38880
      T5=(P1*(P1*(12*P1-243)-923)+1472)/204120
      T6=U*(P1*(P1*(P1*3753+4353)-289517)-289717)/146966400
      T=1./DSQRT(G)
      U=T*(T*(T*(T*(T*(T*(-T*T6+T5)+T4)-T3)+T2)+T1)+U)+1
      IF(G-6)70,70,71
   71 IF(U-0.2)70,70,13
   60 U=-ALOG(P0)
      IF(G-1.)36,13,70
   70 GAM=1.
      IF(U)2,3,3
    2 U=.01
    3 U=U*G
      T=G
      IF(T-1)36,74,74
   74 T=T-1
      IF(T-1.)75,75,73
```

```
FUNCTION    PEARS3    TRACE                          CDC 6400 FTN V3.0-P288 OPT=

            73 GAM=GAM*T
               GO TO 74
            36 GAM=1./GAB
               T=GAB
60          75 GAM=GAM*(T*(T*(T*(T*(T*(T*(T*(T*(T*.035868343-.193527818)+.482199
              1-.756704078)+.918206857)-.897056937)+.988205891)-.577191652)+1
               GAM=GAM*(1-P0)
               IF(G-1)78,13,77
            78 U=(G*GAM)**(1/G)
65             U=U*(1+U*(1.475-0.475*G)*(-ALOG(P0)-1.))
            77 T=1./G
               IF(13.7-U)90,90,81
            81 T1=1.
               SIG=1.
70             DO 72 I=1,50
               SIG=-SIG
               T1=T1*U/I
               T=T+SIG*T1/(G+I)
               IF(DABS(T1)-1.0D-10)76,76,72
75          72 CONTINUE
            76 ER=U*DEXP(U)*(T-GAM/(U**G))
               U=U-ER
               IF(DABS(ER)/U-1.0D-7)90,90,77
            90 AKS=U/VIN-VIN
80             GO TO 214
            13 AKS=VIN*(U-1.)
           214 PEARS3=AKS
               IF(ASY)333,334,334
           333 PEARS3=-PEARS3
85             P0=1-P0
           334 RETURN
           232 PEARS3=X
               IF(P0.GT..5)PEARS3=-PEARS3
               RETURN
90             END
```

SUBROUTINE FACTO TRACE CDC 6400 FTN V3.0-P288 OPT=

```
      SUBROUTINE FACTO(G,XLOG)
C     CALCUL FACTORIEL DE G EN LOGARITHME
      XLOG=0
      V=G+1
5     IF(V.GT.60)GO TO 21
      IF(V-1)36,90,70
70    XLOG=0.
      T=V
      IF(T-1.)36,74,74
10    74 T=T-1
      IF(T-1.)75,75,73
73    XLOG=XLOG+ALOG(T)
      GO TO 74
36    XLOG= ALOG(1/T)
15    T=G
75    XLOG=XLOG+ALOG((T*(T*(T*(T*(T*(T*(T*(T*.035868343-.193527818)+
     1199394)-.756704078)+.918206857)-.897056937)+.988205891)-.57719
     2)+1.))
      GO TO 90
20    21 XLOG=(V-.5)*ALOG(V)-V+0.91893853320+(1./(12*V))- (1./(360*V*V*
     1+ (1./(1260.*V**5) )
90    RETURN
      END
```

EXEMPLE DE DONNEES

```
  0      Asymétrie  = 0
 -4   4    1        De -4. à 4.   Δx = .01
  1      Carte blanche
 10
 20
 40     NOMB
 60
 80
100
  1      Carte blanche
  1      Asymétrie  = .1
    0  300    2      De  0 à 30    Δ x = .2
       500    5      De 30 à 50    Δ x = .05
       8      2      De 50 à 80    Δ x = .2
  1      Carte blanche
 10
 20
 40     NOMB
 60
 80
100
  1      Carte blanche
  2      Asymétrie =  .2
         50   100     De  0 à 5     Δ x = .1
        150    15     De  5 à 15    Δ x = .015
        220   100     De 15 à 22    Δ x = .1
  1      Carte blanche
 10
 20
 40     NOMB
 60
 80
100
  1      Carte blanche
-99      Fin des calculs
```