

$(\Delta Y/Y) / (\Delta Y/Y)_u$ HAULAB-Y-Empfindlichkeit
normiert für $(\Delta Y/Y)_u$

$$S_r/S_{ru} = (\Delta Y/Y)/(\Delta Y/Y)_u$$

$$L^* = s(Y/Y_u)^n - d \quad (Y_u=100, s=134,6, n=0,31, d=34,6) [1a]$$

$$L^* = r(Y/Y_u)^n - d \quad (r=s(Y_u/Y_n)^n=79,10, L^*_u=r-d=44,4) [1b]$$

$$dY/Y = [(Y_n/(n s)](Y/Y_u)^{1-n}/Y \quad [3c]$$

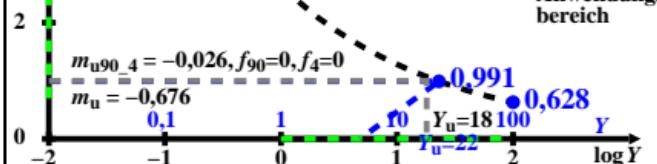
Y_curve, ij=0, Yu=22, L*uij=50

$$\begin{aligned} k=99, Y_{kij}=100, L^*_{kij}=99,9, & (\Delta Y/Y)/(\Delta Y/Y)_u=0,62 \\ k=22, Y_{kij}=23, L^*_{kij}=50,7, & (\Delta Y/Y)/(\Delta Y/Y)_u=0,99 \\ k=1, Y_{kij}=2, L^*_{kij}=5,4, & (\Delta Y/Y)/(\Delta Y/Y)_u=2,11 \\ k=0, Y_{kij}=1, L^*_{kij}=2,3, & (\Delta Y/Y)/(\Delta Y/Y)_u=2,62 \end{aligned}$$

2,620

$$L_{aw}=300 \text{ cd/m}^2$$

Anwendungsbereich



hgn01-1a

$(\Delta Y/Y) / (\Delta Y/Y)_u$ HAULAB-Y-Empfindlichkeit
normiert für $(\Delta Y/Y)_u$

$$S_r/S_{ru} = (\Delta Y/Y)/(\Delta Y/Y)_u$$

$$L^* = s(Y/Y_u)^n - d \quad (Y_u=100, s=137,2, n=0,31, d=37,2) [1a]$$

$$L^* = r(Y/Y_u)^n - d \quad (r=s(Y_u/Y_n)^n=80,63, L^*_u=r-d=43,4) [1b]$$

$$dY/Y = [(Y_n/(n s)](Y/Y_u)^{1-n}/Y \quad [3c]$$

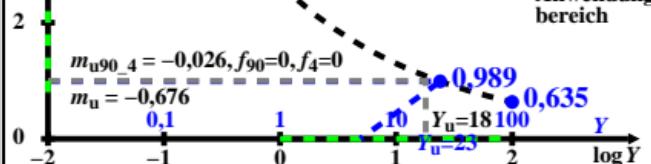
Y_curve, ij=18, Yu=23, L*uij=50

$$\begin{aligned} k=99, Y_{kij}=100, L^*_{kij}=100,0, & (\Delta Y/Y)/(\Delta Y/Y)_u=0,63 \\ k=23, Y_{kij}=24, L^*_{kij}=50,9, & (\Delta Y/Y)/(\Delta Y/Y)_u=0,98 \\ k=1, Y_{kij}=2, L^*_{kij}=3,5, & (\Delta Y/Y)/(\Delta Y/Y)_u=2,13 \\ k=0, Y_{kij}=1, L^*_{kij}=4,2, & (\Delta Y/Y)/(\Delta Y/Y)_u=2,64 \end{aligned}$$

φ=60°=1°²

$$L_{aw}=300 \text{ cd/m}^2$$

Anwendungsbereich



hgn01-2a

$(\Delta Y/Y) / (\Delta Y/Y)_u$ HAULAB-Y-Empfindlichkeit
normiert für $(\Delta Y/Y)_u$

$$S_r/S_{ru} = (\Delta Y/Y)/(\Delta Y/Y)_u$$

$(\Delta Y/Y) / (\Delta Y/Y)_u$ HAULAB-Y-Empfindlichkeit
normiert für $(\Delta Y/Y)_u$

$$L^* = s(Y/Y_u)^n - d \quad (Y_u=100, s=140,4, n=0,31, d=40,4) [1a]$$

$$L^* = r(Y/Y_u)^n - d \quad (r=s(Y_u/Y_n)^n=82,55, L^*_u=r-d=42,0) [1b]$$

$$dY/Y = [(Y_n/(n s)](Y/Y_u)^{1-n}/Y \quad [3c]$$

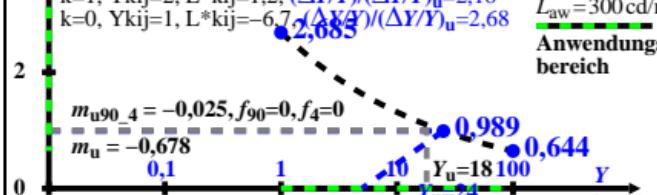
Y_curve, ij=24, Yu=24, L*uij=50

$$\begin{aligned} k=99, Y_{kij}=100, L^*_{kij}=99,9, & (\Delta Y/Y)/(\Delta Y/Y)_u=0,64 \\ k=24, Y_{kij}=25, L^*_{kij}=50,9, & (\Delta Y/Y)/(\Delta Y/Y)_u=0,98 \\ k=1, Y_{kij}=2, L^*_{kij}=1,2, & (\Delta Y/Y)/(\Delta Y/Y)_u=2,16 \\ k=0, Y_{kij}=1, L^*_{kij}=-6,7, & (\Delta Y/Y)/(\Delta Y/Y)_u=2,68 \end{aligned}$$

φ=30°

$$L_{aw}=300 \text{ cd/m}^2$$

Anwendungsbereich



hgn01-3a

hgn01-3n

$(\Delta Y/Y) / (\Delta Y/Y)_u$ HAULAB-Y-Empfindlichkeit
normiert für $(\Delta Y/Y)_u$

$$S_r/S_{ru} = (\Delta Y/Y)/(\Delta Y/Y)_u$$

$$L^* = s(Y/Y_u)^n - d \quad (Y_u=100, s=163,9, n=0,31, d=63,9) [1a]$$

$$L^* = r(Y/Y_u)^n - d \quad (r=s(Y_u/Y_n)^n=96,32, L^*_u=r-d=32,4) [1b]$$

$$dY/Y = [(Y_n/(n s)](Y/Y_u)^{1-n}/Y \quad [3c]$$

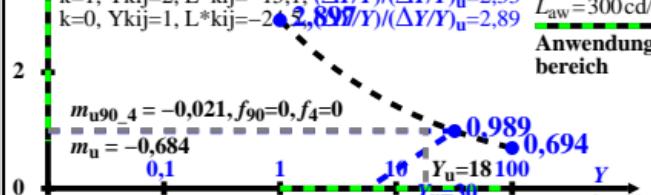
Y_curve, ij=36, Yu=30, L*uij=50

$$\begin{aligned} k=99, Y_{kij}=100, L^*_{kij}=99,9, & (\Delta Y/Y)/(\Delta Y/Y)_u=0,69 \\ k=30, Y_{kij}=31, L^*_{kij}=50,0, & (\Delta Y/Y)/(\Delta Y/Y)_u=0,99 \\ k=1, Y_{kij}=2, L^*_{kij}=-15,1, & (\Delta Y/Y)/(\Delta Y/Y)_u=2,33 \\ k=0, Y_{kij}=1, L^*_{kij}=-2, & (\Delta Y/Y)/(\Delta Y/Y)_u=2,89 \end{aligned}$$

φ=10°

$$L_{aw}=300 \text{ cd/m}^2$$

Anwendungsbereich



hgn01-4a