

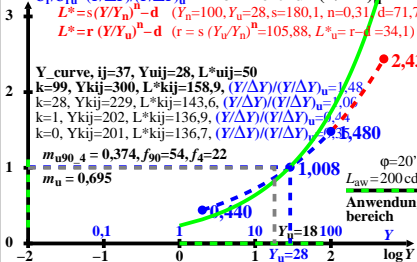
$(Y/\Delta Y) / (Y/\Delta Y)_u$

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

$C_r/C_{ru} = (Y/\Delta Y)/(Y/\Delta Y)_u$

$L^* = s(Y/Y_n)^n - d$  ( $Y_n=100, Y_u=28, s=180,1, n=0,31, d=71,7$ ) [1a]

$L^* = r(Y/Y_u)^n - d$  ( $r = s(Y_u/Y_n)^n = 105,88, L^*_u = r - d = 34,1$ ) [1b]



$Y\_curve, ij=37, Y_{uij}=28, L^*_{uij}=50$

$k=99, Y_{kij}=300, L^*_{kij}=158,9, (Y/\Delta Y)/(Y/\Delta Y)_u=1,48$

$k=28, Y_{kij}=229, L^*_{kij}=143,6, (Y/\Delta Y)/(Y/\Delta Y)_u=1,06$

$k=1, Y_{kij}=202, L^*_{kij}=136,9, (Y/\Delta Y)/(Y/\Delta Y)_u=0,44$

$k=0, Y_{kij}=201, L^*_{kij}=136,7, (Y/\Delta Y)/(Y/\Delta Y)_u=0,480$

$m_{u90} = 0,374, f_{90}=54, f_4=22$

$m_u = 0,695$

$\phi=20'$

$L_{aw} = 200 \text{ cd/m}^2$

Anwendungsbereich

0,1

1

10

$Y_u=18$

$100$

$Y_u=28$

2

log Y