

$\Delta Y/Y$

CIE Y-Empfindlichkeit

$S_r = \Delta Y/Y$

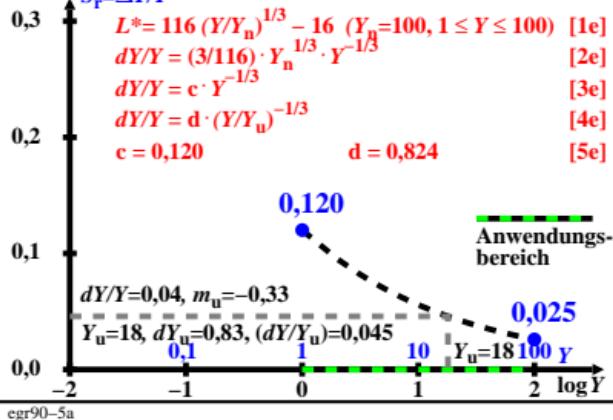
$L^* = 116 (Y/Y_n)^{1/3} - 16 (Y_n=100, 1 \leq Y \leq 100) [1e]$

$dY/Y = (3/116) \cdot Y_n^{1/3} \cdot Y^{-1/3} [2e]$

$dY/Y = c \cdot Y^{-1/3} [3e]$

$dY/Y = d \cdot (Y/Y_u)^{-1/3} [4e]$

$c = 0,120 \quad d = 0,824 [5e]$



egr90-5a

CIE Y-Kontrast

$C_r = Y/\Delta Y$

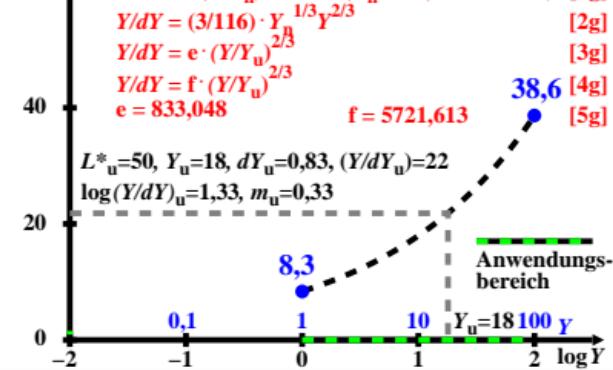
$L^* = 116 (Y/Y_n)^{1/3} - 16 (Y_n=100, 1 \leq Y \leq 100) [1g]$

$Y/dY = (3/116) \cdot Y_n^{1/3} Y^{2/3} [2g]$

$Y/dY = e \cdot (Y/Y_u)^{2/3} [3g]$

$Y/dY = f \cdot (Y/Y_u)^{2/3} [4g]$

$e = 833,048 \quad f = 5721,613 [5g]$



egr90-7a

 $\Delta Y/Y$ CIE Y-Empfindlichkeit normiert für $\Delta Y_u/Y_u$

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

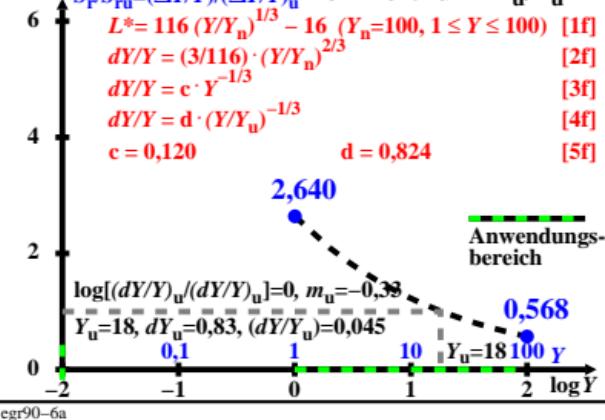
$L^* = 116 (Y/Y_n)^{1/3} - 16 (Y_n=100, 1 \leq Y \leq 100) [1f]$

$dY/Y = (3/116) \cdot (Y/Y_n)^{2/3} [2f]$

$dY/Y = c \cdot Y^{-1/3} [3f]$

$dY/Y = d \cdot (Y/Y_u)^{-1/3} [4f]$

$c = 0,120 \quad d = 0,824 [5f]$



egr90-6a

 $Y/\Delta Y$

CIE Y-Kontrast

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

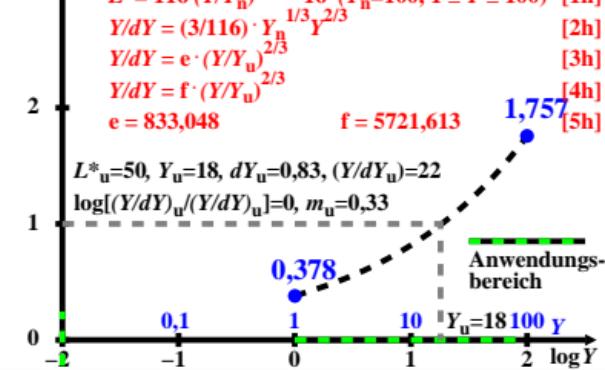
$L^* = 116 (Y/Y_n)^{1/3} - 16 (Y_n=100, 1 \leq Y \leq 100) [1h]$

$Y/dY = (3/116) \cdot Y_n^{1/3} Y^{2/3} [2h]$

$Y/dY = e \cdot (Y/Y_u)^{2/3} [3h]$

$Y/dY = f \cdot (Y/Y_u)^{2/3} [4h]$

$e = 833,048 \quad f = 5721,613 [5h]$



egr90-8a

egr90-7n