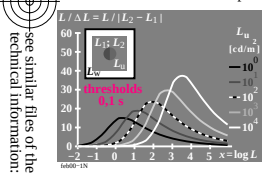
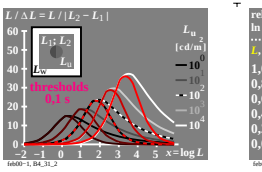
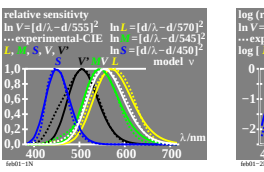
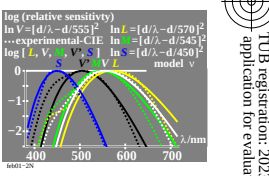
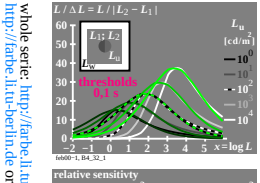
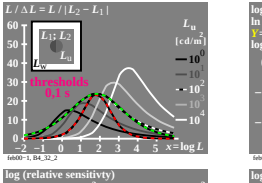


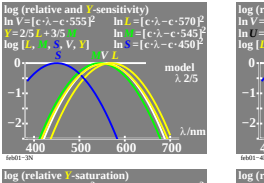


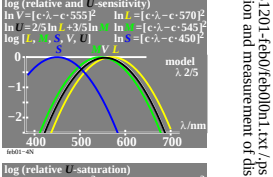


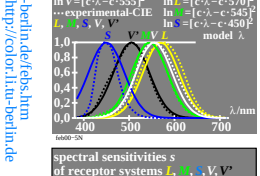


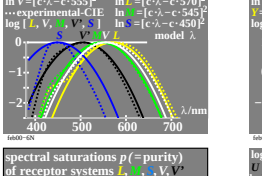


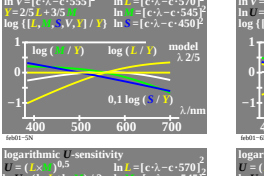


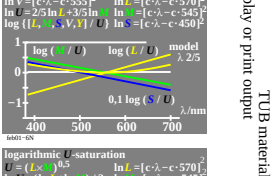






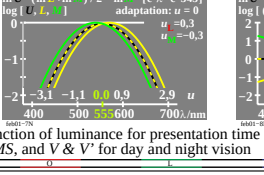


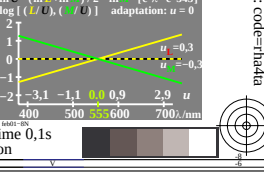




spectral sensitivities s
of receptor systems L, M, S, V, V'
u=λ=wavelength; u=ν=frequency
$s(u) = e^{-u^2}$ e=2,7183 γ=1/λ
model λ: $u = \frac{1}{55{,}5}(\lambda - \lambda_0)$
model ν: $u = 5550\,(\nu - \nu_0)$
maxima λ_0 of L, M, S, V, V' in nanometer: 570, 545, 450, 555, 505
feb00−7N

spectral saturations p (= purity)
of receptor systems L, M, S, V, V'
u=λ=wavelength; u=ν=frequency
$s(u) = e^{-u^2}$ i=2/5; j=3/5 γ=1/λ
model Y: $p = \frac{s(L,\ M,\ S)}{i\,s(L) + j\,s(M)}$
model V: $p = \frac{s(L,\ M,\ S)}{s(V)}$
model U: $p = \frac{s(L,\ M,\ S)}{e^{[i\ln(L) + j\ln(M)]}}$
feb00−8N





TUB-test chart feb0; Luminance contrast $L/\Delta L$ as function of luminance for presentation time 0,1s
Linear and logarithmic sensitivity or saturation of LMS, and V & V' for day and night vision