fgp11-1a

Panel 1 (top left): lin[Empfindlichkeit]

$\log V_O = -0.35[u_\lambda - u_{557}]^2$
$\log V_a = \log V_O + 0.00$
$[V_O, L_a, M_a,]$

$\log L_O = -0.35[u_\lambda - u_{570}]^2$
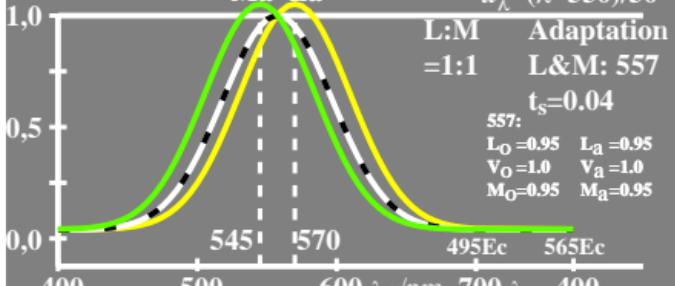$\log M_O = -0.35[u_\lambda - u_{545}]^2$
$\log L_a = \log L_O + 0.02$
$\log M_a = \log M_O + 0.02$
$u_\lambda = (\lambda - 550)/50$

Ma La

1,0

0,5

0,0

L:M Adaptation
=1:1 L&M: 557
$t_S = 0.04$

557:
$L_O = 0.95$ $L_a = 0.95$
$V_O = 1.0$ $V_a = 1.0$
$M_O = 0.95$ $M_a = 0.95$

545 570   495Ec   565Ec
400   500   600 λ_d/nm 700 λ_C 400

fgp11-2a

Panel 2 (top right): lin[Sättigung]

$\log V_O = -0.35[u_\lambda - u_{557}]^2$
$\log V_a = \log V_O + 0.00$
$[V_O/V_O, L_a/V_O, M_a/V_O,]$

$\log L_O = -0.35[u_\lambda - u_{570}]^2$
$\log M_O = -0.35[u_\lambda - u_{545}]^2$
$\log L_a = \log L_O + 0.02$
$\log M_a = \log M_O + 0.02$

Ma La   Sättigung V

2

0

−2

L:M Adaptation
=1:1 L&M: 557
$t_S = 0.04$

545 570   495Ec   565Ec
400   500   600 λ_d/nm 700 λ_C 400

fgp11-3a

Panel 3 (bottom left): lin[Empfindlichkeit]

$\log V_O = -0.35[u_\lambda - u_{557}]^2$
$\log S_a = -0.35[u_\lambda - u_{445}]^2 + 0.02$ $\log L_a = \log L_O + 0.02$
$[V_O, L_a, M_a, S_a]$

$\log L_O = -0.35[u_\lambda - u_{570}]^2$
$\log M_O = -0.35[u_\lambda - u_{545}]^2$
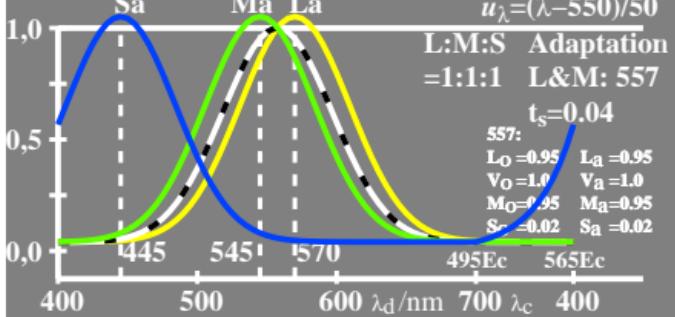$\log M_a = \log M_O + 0.02$
$u_\lambda = (\lambda - 550)/50$

Sa   Ma La

1,0

0,5

0,0

L:M:S Adaptation
=1:1:1 L&M: 557
$t_S = 0.04$

557:
$L_O = 0.95$ $L_a = 0.95$
$V_O = 1.0$ $V_a = 1.0$
$M_O = 0.95$ $M_a = 0.95$
$S_O = 0.02$ $S_a = 0.02$

445 545 570   495Ec   565Ec
400   500   600 λ_d/nm 700 λ_C 400

fgp11-4a

Panel 4 (bottom right): lin[Sättigung]

$\log V_O = -0.35[u_\lambda - u_{557}]^2$
$\log S_a = -0.35[u_\lambda - u_{445}]^2 + 0.02$ $\log L_a = \log L_O + 0.02$
$[V_O/V_O, L_a/V_O, M_a/V_O, S_a/V_O]$

$\log L_O = -0.35[u_\lambda - u_{570}]^2$
$\log M_O = -0.35[u_\lambda - u_{545}]^2$
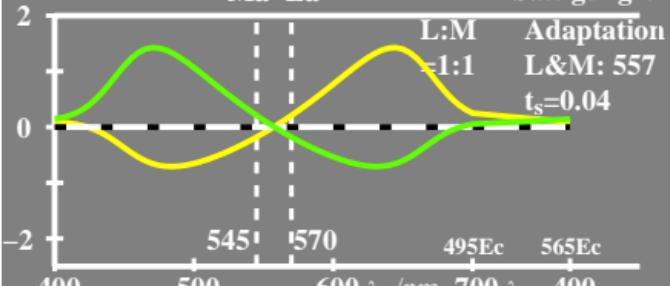$\log M_a = \log M_O + 0.02$

Sa   Ma La   Sättigung V

2

0

−2

L:M:S Adaptation
=1:1:1 L&M: 557
$t_S = 0.04$

445 545 570   495Ec   565Ec
400   500   600 λ_d/nm 700 λ_C 400

fgp11−3n