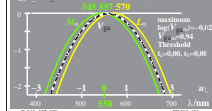
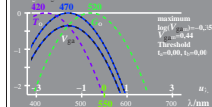


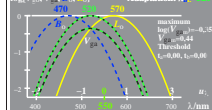
logarithmic $V_{\text{ga}}, V_{\text{go}}, V_{\text{g}}, L_0$ data $u_{\lambda} = (\lambda - 550)/50$
 $\log V_{\text{ga}} = (\log V_{\text{go}} + \log L_0)/2$ $\log V_{\text{go}} = -0.35[u_{\lambda} - u_{\text{go}}]^2$
 $\log V_{\text{g}} = \log V_{\text{ga}} + 0.02$ $\log L_0 = -0.35[u_{\lambda} - u_{\text{L0}}]^2$
 $\log[V_{\text{go}}, V_{\text{ga}}, V_{\text{g}}, L_0]$ Adaptation: $\lambda_{-1} = 550$



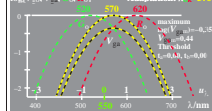
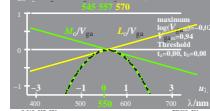
logarithmic V_{ga} , V_{go} , T_{go} , G_o data $n_{\lambda}=(\lambda-550)/50$
 $\log V_{ga}=(\log T_{go}+\log G_o)/2$ $\log T_{go}=-0.35 n_{\lambda}-0.44 n_{\lambda}^2$
 $\log V_{go}=\log V_{ga}+0.35$ $\log G_o=-0.35(n_{\lambda}-0.5)^2$
 Adaptation: $\lambda_r=470$



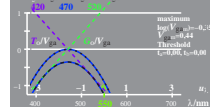
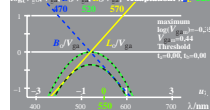
logarithmic V_{ga} , V_{go} , B_o , L_o data $u_\lambda = (\lambda - 550)/50$
 $\log V_{ga} = (\log B_o + \log L_o)/2$ $\log B_o = -0.35(u_\lambda - u_{\lambda70})$
 $\log V_{go} = \log V_{ga} + 0.35$ $\log L_o = -0.35(u_\lambda - u_{\lambda70})^2$
 $\log(V_{go}/V_{ga}) = \log(B_o/L_o)$ **Adaptation:** $\lambda =$



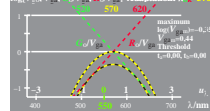
logarithmic V_{g0} , V_{g00} , R_0 data $u_\lambda = (\lambda - 550)/50$
 $\log V_{g0} = (\log V_{g00} + \log R_0)/2$ $\log V_{g0} = -0.35(u_\lambda - u_{g00})^2$
 $\log V_{g0} = \log V_{g0} + 0.35$ $\log R_0 = -0.35(u_\lambda - u_{g00})^2$
 $\log[V_{g00} V_{g0} R_0]$ Adaptation: $\lambda_g = 570$


$$\begin{aligned} & \text{logarithmic } V_{\text{ga}}, V_{\text{go}}, \frac{V_{\text{go}}}{V_{\text{ga}}}, \frac{L_o}{V_{\text{ga}}}, u_{\lambda} = (\lambda - 550)/50 \\ & \log V_{\text{ga}} = (\log V_{\text{go}} + \log L_o)/2 \quad \log V_{\text{go}} = -0.35[u_{\lambda} - u_{\text{go}}]^2 \\ & \log V_{\text{go}} = \log V_{\text{ga}} + 0.02 \quad \log L_o = -0.35[u_{\lambda} - u_{\text{rm}}]^2 \\ & \log[V_{\text{go}}, V_{\text{ga}}, \frac{V_{\text{go}}}{V_{\text{ga}}}, \frac{L_o}{V_{\text{ga}}}] \quad \text{Adaptation: } \lambda_{\text{a}1} = 550 \end{aligned}$$


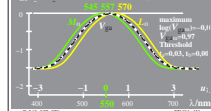
logarithmic V_{ga} , V_{go} , T_o/V_{ga} , G_o/V_{ga} $u_{\lambda}=(\lambda-550)/50$
 $\log V_{ga}=(\log T_o+\log G_o)/2$ $\log T_o=-0.35(u_{\lambda}-u_{\lambda_{max}})^2$
 $\log V_{go}=\log V_{ga}+0.35$ $\log G_o=-0.35(u_{\lambda}-u_{\lambda_{max}})^2$
 $\log[V_{go}/V_{ga}, T_o/V_{ga}, G_o/V_{ga}]$ Adaptation: $\lambda_T=470$


$$\begin{aligned} \text{logarithmic } V_{ga}, V_{go}, B_o/V_{ga}, L_o/V_{ga} \quad u_{\lambda} &= (\lambda - 550)/5 \\ \log V_{ga} &= (\log B_o + \log L_o)/2 \quad \log B_o = -0.35(u_{\lambda} - u_{\lambda_{50}}) \\ \log V_{go} &= \log V_{ga} + 0.35 \quad \log L_o = -0.35(u_{\lambda} - u_{\lambda_{50}})^2 \\ \log [V_{go}/V_{ga} - B_o/V_{ga} - L_o/V_{ga}] \quad \text{Adaptation: } \lambda &= \end{aligned}$$


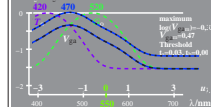
logarithmic V_{gs} , V_{gs0}/V_{gs} , R_0/V_{gs} $u_1 = (\lambda - 550)/50$
 $\log V_{gs} = (\log G_0 + \log R_0)/2$ $\log G_0 = -0.35(u_1 - u_{gs})^2$
 $\log V_{gs} = \log V_{gs0} + 0.35$ $\log R_0 = -0.35(u_1 - u_{gs})^2$
 $\log[V_{gs0} - V_{gs}] = \log[V_{gs0} - R_0/V_{gs}]$ Adaptation: $\lambda = 570$



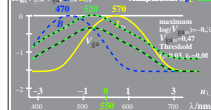
logarithmic V_{ga}, V_{go}, M_o, L_o data	$u_2 = (\lambda - 550)/5$
$\log V_{ga} = (\log M_o + \log L_o)/2$	$\log M_o = -0,35(u_2 - u_{20})$
$\log V_{go} = \log V_{ga} + 0,02$	$\log L_o = -0,35(u_2 - u_{230})$
$\log[V_{go}, V_{ga}, M_o, L_o]$	Adaptation: $\lambda_{c1} = 550$



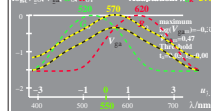
logarithmic V_{ga} , V_{go} , T_{o} , G_{o} data $n_1 = (\lambda - 550)/5$
 $\log V_{ga} = (\log T_o + \log G_o)/2$ $\log T_o = -0,35(u_1 - u_{12})$
 $\log V_{go} = \log V_{ga} + 0,35$ $\log G_o = -0,35(u_2 - u_{12})$
 Adaptation: $\lambda_T = 470$



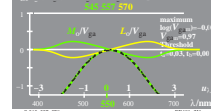
logarithmic V_{gs} V_{gs} , B_o , L_o data $u_1 = (\lambda_1 - 550)/5$
 $\log V_{gs} = (\log B_o + \log L_o)/2$ $\log B_o = -0,35[u_1 - u_{cr1}]^2$
 $\log V_{gs} = \log V_{gs0} + 0,35$ $\log L_o = -0,35[u_1 - u_{cr1}]^2$
 $\log[V_{gs0}, V_{gs}, B_o, L_o]$ Adaptation: $\lambda_1 =$



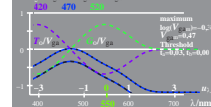
logarithmic $V_{ga} = V_{go} + \sqrt{R_o} \cdot R_o$ data $u_1 = (\lambda - 550)/5$
 $\log V_{ga} = (\log \sqrt{R_o} + \log R_o)/2$ $\log \sqrt{R_o} = -0.35(u_1 - u_{a1})^2$
 $\log V_{go} = \log V_{ga} + 0.35$ $\log R_o = -0.35(u_1 - u_{a2})^2$
 $\log[V_{ga} \cdot V_{go} \cdot \sqrt{R_o} \cdot R_o]$ Adaptation: $\lambda_a = 570$



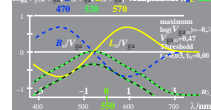
logarithmic V_{ga} , V_{go} , $50/V_{ga}$, I_o/V_{ga} $u_1=(\lambda-550)/5$
 $\log V_{ga}=(\log V_o+\log I_o)/2$ $\log V_o=-0,35(u_1-u_{10})$
 $\log V_{go}=\log V_{ga}+0,02$ $\log I_o=-0,35(u_1-u_{10})$
 $\log[V_{go}, V_{ga}, 50/V_{ga}, I_o/V_{ga}]$ Adaptation: $\lambda_{n1}=50$



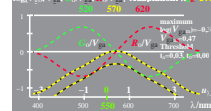
logarithmic V_{ga} , V_{gs} , T_{ox}/V_{ga} , C_{ox}/V_{gs} , $u_L = (-550)/5$
 $\log V_{gs} = (\log T_{ox} + \log C_{ox})/2$ $\log T_{ox} = -0,35(u_L - u_{L0})$
 $\log V_{ga} = \log V_{gs} + 0,35$ $\log C_{ox} = -0,35(u_L - u_{L0})$
 $\log[V_{gs} V_{ga} T_{ox}/V_{gs} C_{ox}]$ Adaptation: $\lambda_T = 47$



logarithmic V_{ga} : V_{go}/V_{ga} , B_o/V_{ga} , L_o/V_{ga} , $u_1 = (\lambda - 550)/5$
 $\log V_{ga} = (\log B_o + \log L_o)/2$, $\log B_o = -0.35(u_1 - u_{cr})$
 $\log V_{go} = \log V_{ga} + 0.35$, $\log L_o = -0.35(u_1 - u_{cr})^2$
 $\log V_{go}/V_{ga}$, B_o/V_{ga} , L_o/V_{ga} , λ : Adaptation: $\lambda_{cr} =$



logarithmic $V_{\text{ga}} = V_{\text{go}} + \frac{R_o}{V_{\text{ga}}} \cdot \frac{R_o}{V_{\text{ga}}} u_1 = (-550)/5$
 $\log V_{\text{ga}} = (\log V_{\text{go}} + \log R_o)/2$ $\log V_{\text{go}} = -0,35(u_1 - u_{\text{ad}})$
 $\log V_{\text{go}} = \log V_{\text{ga}} + 0,35$ $\log R_o = -0,35(u_1 - u_{\text{ad}})$
 $\log V_{\text{ga}} = \log V_{\text{go}} + \log V_{\text{ga}} \cdot \frac{R_o}{V_{\text{ga}}} \cdot \frac{R_o}{V_{\text{ga}}}$ Adaptation: $\lambda = 570$



TUB-test chart EE40; Relative elementary colour vision
Sensitivities $\log[LMS-R17_M5]$ and combinations; threshold $t_a=0.00$ (left) and 0.03 (right)