

logarithmic U -saturation

$$U = (\textcolor{red}{L_0} \cdot \textcolor{green}{M_0})^{0,5}$$

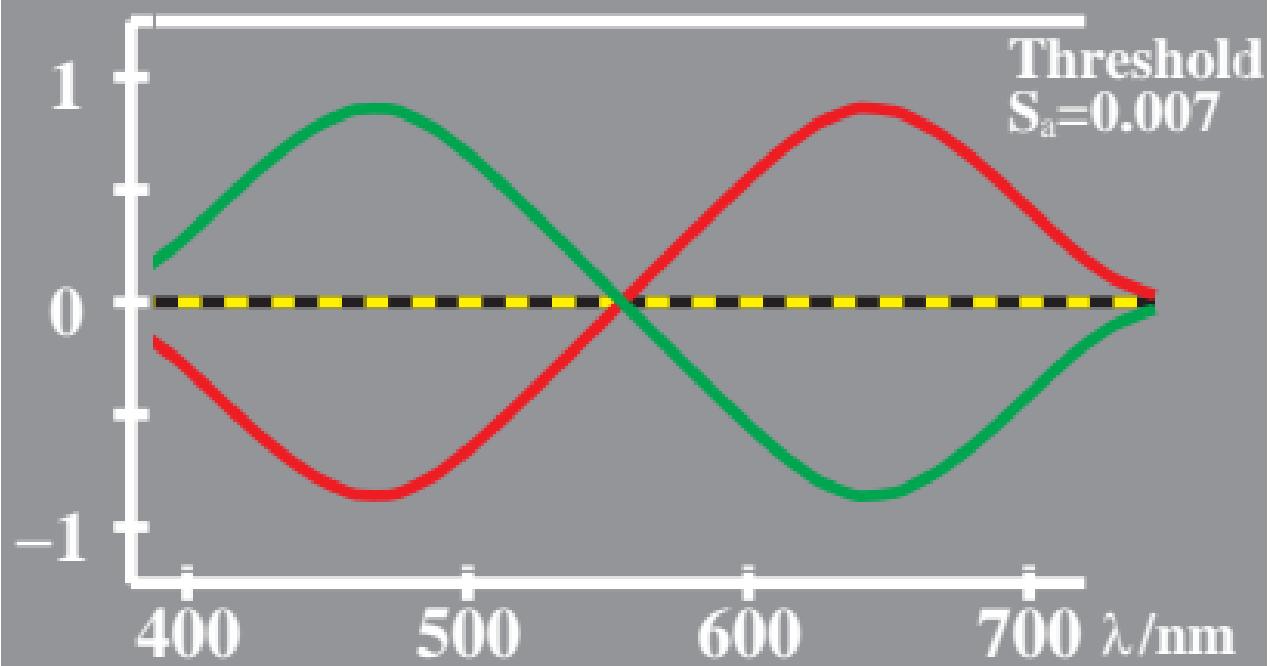
$$u_\lambda = (\lambda - 555) / 50$$

$$\log \textcolor{red}{L_0} = -0,35[u_\lambda - u_{600}]^2$$

$$\log U = (\log \textcolor{red}{L_0} + \log \textcolor{green}{M_0}) / 2 \quad \log \textcolor{green}{M_0} = -0,35[u_\lambda - u_{510}]^2$$

$$\log [\textcolor{red}{L_0}/U, \textcolor{green}{M_0}/U]$$

$$\text{Adaptation: } \lambda_{\text{LM}} = 555$$



WE351-8, change of LMS in colour vision