

logarithmic C_a -saturation

$$C_a = (M_o \cdot S_o)^{0,5}$$

$$\log C_a = (\log M_o + \log S_o)/2$$

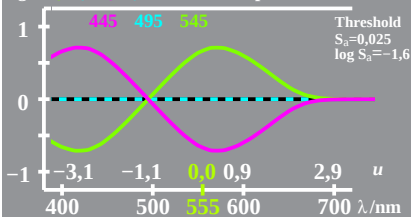
$$\log [M_o/C_a, S_o/C_a]$$

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

$$\log M_o = -0,35[u_\lambda - u_{445}]^2$$

$$\log S_o = -0,35[u_\lambda - u_{545}]^2$$

Adaptation: $\lambda_{MS} = 495$



Threshold
 $S_a = 0,025$
 $\log S_a = -1,6$