

# „achromatic signal”-description functions $Q_{lm}[k(x-u)]$

with  $x = \log L$  ( $L$  = luminance)  
 $u = \log L_u$  ( $L_u$  = surround luminan.)

$$Q_{lm}[k(x-u)] = \frac{l}{\ln \sqrt{2}} \ln q[k(x-u)] - m$$

**function values with  $l = m = 1$ :**

$$Q[k(x-u) \rightarrow +\infty] = 1$$

$$Q[k(x-u) = 0] = 0$$

$$Q[k(x-u) \rightarrow -\infty] = -1$$