

Colour-line element of *Stiles*

(1946) with „colour values” L_P , M_D , S_T

three separate colour-response functions

$$F(L_P) = i \ln(1 + 9 L_P)$$

$$F(M_D) = j \ln(1 + 9 M_D)$$

$$F(S_T) = k \ln(1 + 9 S_T)$$

Taylor-derivations:

$$\Delta F(L_P, M_D, S_T) = \frac{dF}{dL_P} \Delta L_P + \frac{dF}{dM_D} \Delta M_D + \frac{dF}{dS_T} \Delta S_T$$

$$= \frac{9i}{1 + 9 L_P} \Delta L_P + \frac{9j}{1 + 9 M_D} \Delta M_D + \frac{9k}{1 + 9 S_T} \Delta S_T$$