

Line element of light technology
(luminance L) and colour metrics
with „cone values” L, M, S

luminance response function $F(L)$

colour response function $F(L, M, S)$

Taylor-derivations:

$$\Delta F(L) = \frac{dF}{dL} \Delta L$$

$$\Delta F(L, M, S) = \frac{dF}{dL} \Delta L + \frac{dF}{dM} \Delta M + \frac{dF}{dS} \Delta S$$