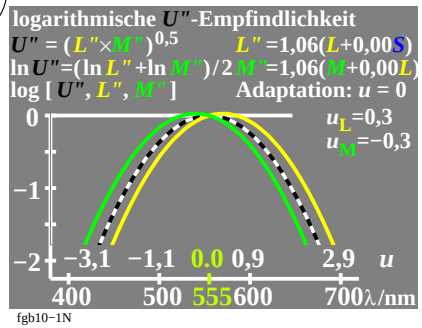

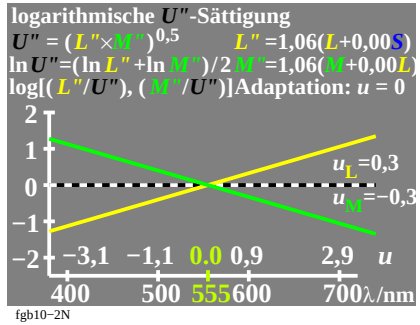

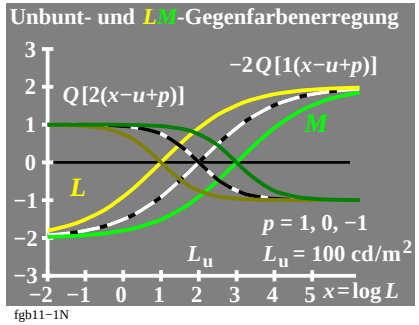

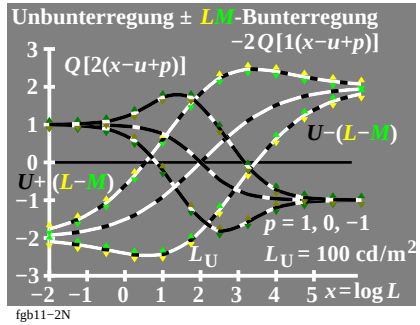

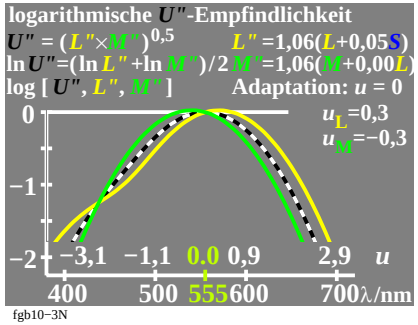

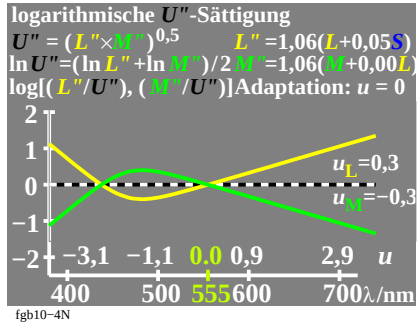

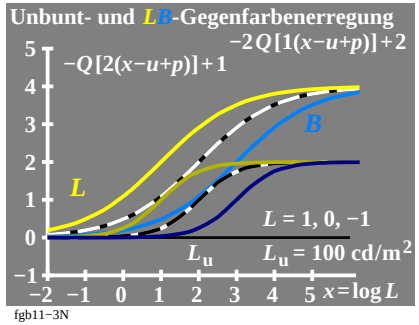

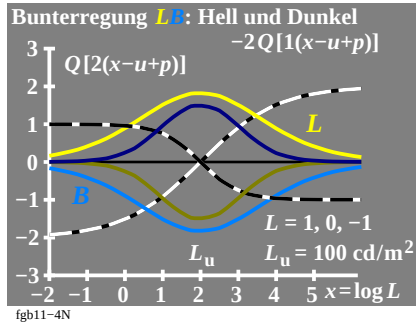

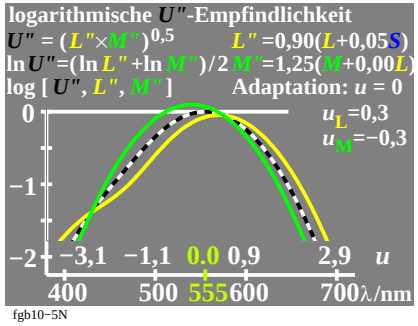

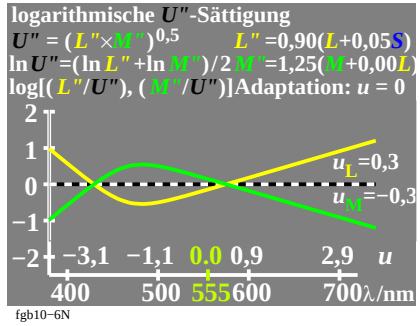

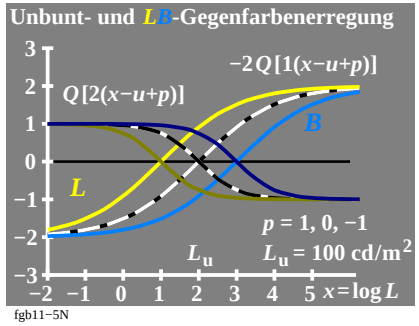

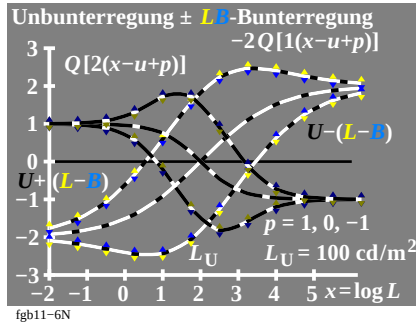

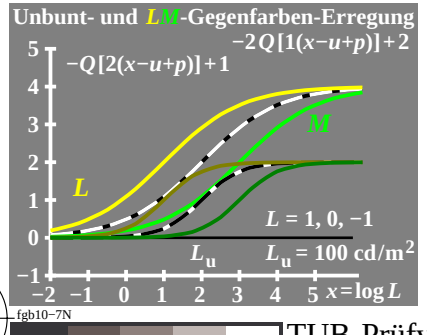

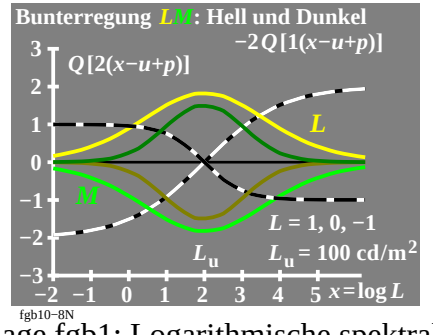

Linien-Element von Lichttechnik (Leuchtdichte L) und Farbmetrik mit „Rezeptorwerten" L, M, S

Leuchtdichteerregungsfunktion $F(L)$
Farberregungsfunktion $F(L, M, S)$
Taylor-Ableitungen:

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

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

fgb11−7N

Linien-Element *Helmholtz* (1896) mit „Zapfenwerten" L, M, S
Separate Farberregungsfunktionen
$F(L) = i \ln L$
$F(M) = j \ln M$
$F(S) = k \ln S$
Taylor-Ableitungen:

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

$$\Delta F(L, M, S) = \frac{i}{L}\Delta L + \frac{j}{M}\Delta M + \frac{k}{S}\Delta S$$

fgb11−8N