

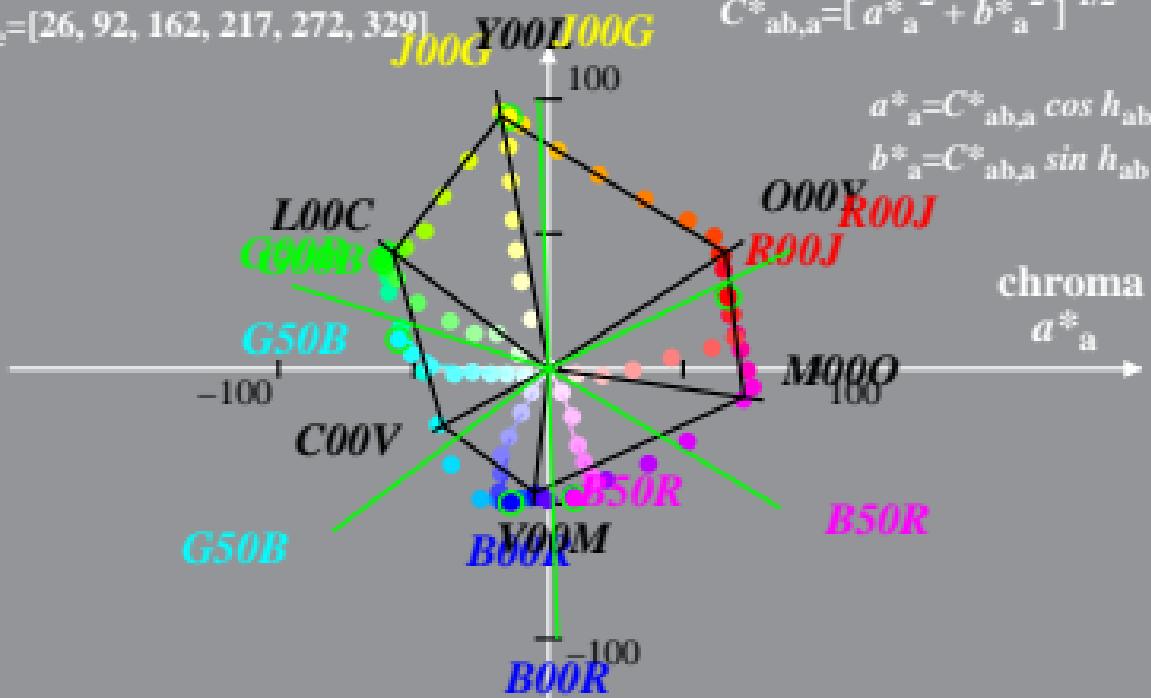
Linear relation CIELAB (L^*, a^*, b^*) and adapted (a) CIELAB ($C^*_{ab,a}, L^*$)
 System: HE90_HRS16_96_D65_00%_O0 $I^*_{lab} = (L^* - L^*_N) / (L^*_W - L^*_N)$
 CIELAB hue angles: $a^* = a^*, \quad a^* = 180^\circ - L^* - I^*, \quad a^* = a^*$

$$h_{\text{ab},d} = [32, 100, 145, 206, 265, 348]$$

$h_{\text{obs}} = [26, 92, 162, 217, 272, 329]$

$$b_{\text{obs}} = [26, 92, 162, 217, 272, 329]$$

$$b_{\text{a}}^* = b^* - b^*_N - l^*_{\text{lab}*} [b^*_W - b^*_N]$$



Linear relation CIELAB (L^*, a^*, b^*) and adapted (a) CIELAB ($C^*_{ab,a}, L^*$)
 System: HE90_HRS16_96_D65_00%_O1 $l^*_{lab} = (L^* - L^*_N) / (L^*_W - L^*_N)$
 CIELAB hue angles:

$$h_{ab,d} = [32, 100, 145, 206, 265, 348]$$

$$h_{ab,ex} = [26, 92, 162, 217, 272, 329]$$

$$h_{ab,e} = [26, 92, 162, 217, 272, 329]$$

$$a^*_{ab,a} = a^* - a^*_N - l^*_{lab} \cdot [a^*_W - a^*_N]$$

$$b^*_{ab,a} = b^* - b^*_N - l^*_{lab} \cdot [b^*_W - b^*_N]$$

$$C^*_{ab,a} = [a^*_{ab,a}^2 + b^*_{ab,a}^2]^{1/2}$$

