Linear relation CIELAB (L^*, a^*, b^*) and *adapted (a)* CIELAB ($C^*_{ab,a}$, L^*)

System: SF42_HRS27_96_D65_00%_G0

CIELAB hue angles:

$h_{ab,d}$=[33, 98, 150, 227, 301, 350]

$h_{ab,dx}$=[34, 99, 149, 227, 301, 351]

$$l^*=(L^* - L^*_N) / (L^*_W - L^*_N)$$

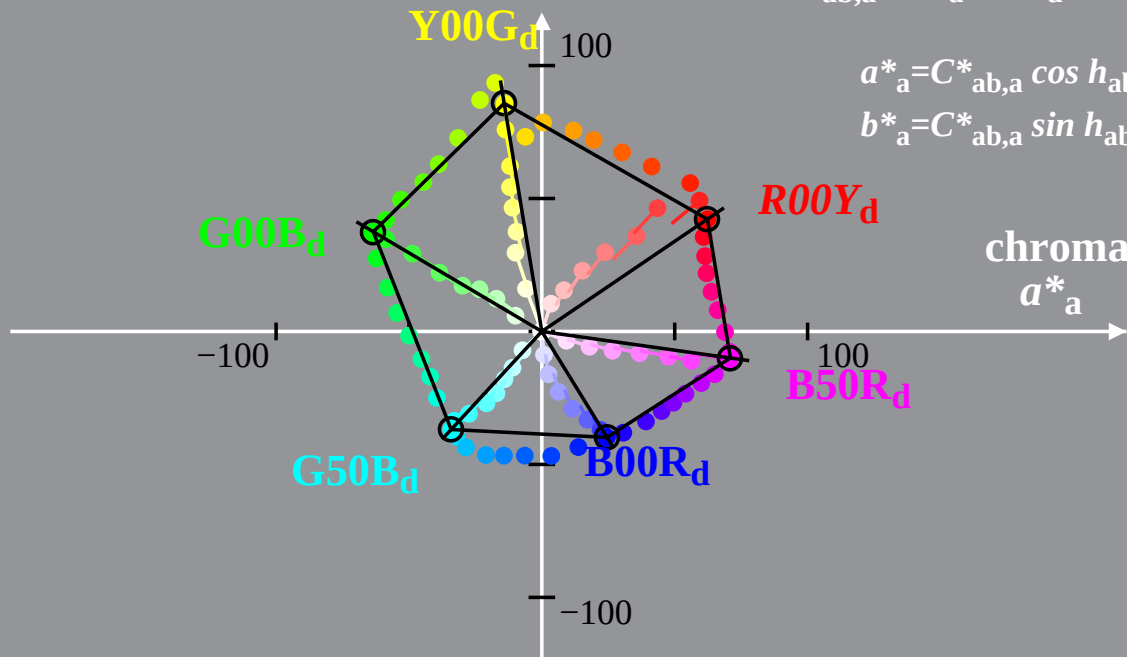
$$a^*_a=a^* - a^*_N - l^* [a^*_W - a^*_N]$$

$$b^*_a=b^* - b^*_N - l^* [b^*_W - b^*_N]$$

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

$$a^*_a=C^*_{ab,a} \cos h_{ab}$$

$$b^*_a=C^*_{ab,a} \sin h_{ab}$$



SF420−4A, 1; cf1=0.95; nt=0.18; nx=1.0

Linear relation CIELAB (L^*, a^*, b^*) and *adapted (a)* CIELAB ($C^*_{ab,a}$, L^*)

System: SF42_HRS27_96_D65_00%_G1

CIELAB hue angles:

$h_{ab,d}$=[33, 98, 150, 227, 301, 350]

$h_{ab,dx}$=[33, 98, 150, 227, 301, 350]

$$l^*=(L^* - L^*_N) / (L^*_W - L^*_N)$$

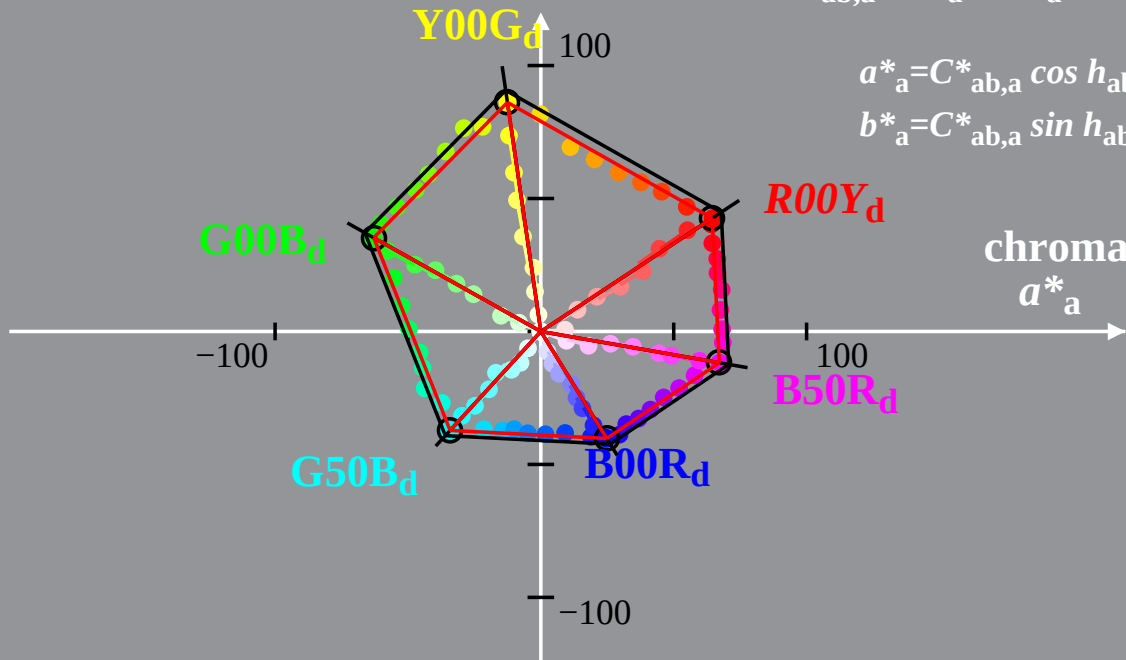
$$a^*_a=a^* - a^*_N - l^* [a^*_W - a^*_N]$$

$$b^*_a=b^* - b^*_N - l^* [b^*_W - b^*_N]$$

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

$$a^*_a=C^*_{ab,a} \cos h_{ab}$$

$$b^*_a=C^*_{ab,a} \sin h_{ab}$$



SF420−4A, 2; cf1=0.95; nt=0.18; nx=1.0