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

System: R_LRS24_Z48N_N5

CIELAB hue angles:

$h_{ab,d}$=[40, 0, 44, 349, 44, 0]

$h_{ab,dx}$=[39, 100, 147, 246, 297, 355]

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

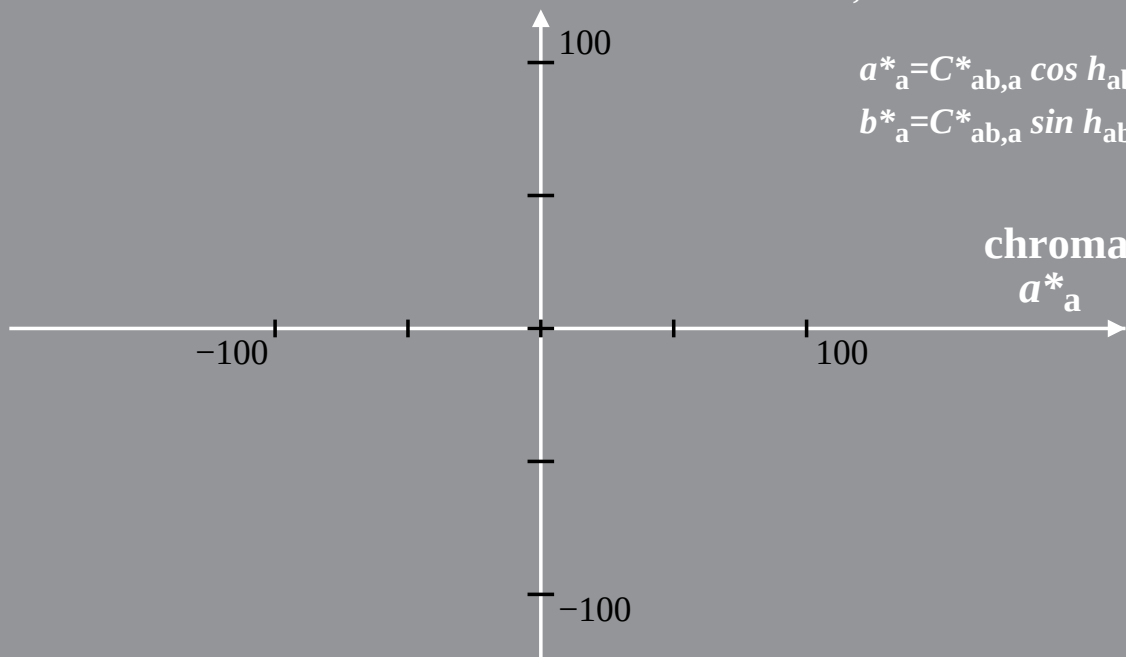
$$a^*_a=a^* - a^*_N - l^* [a^*_W - a^*_N]$$

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

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

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

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



SI490−4A, 1; cf1=0.90; nt=0.18; nx=1.0

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

System: R_LRS21_Z48F_N5

CIELAB hue angles:

$h_{ab,d}$=[40, 0, 44, 349, 44, 0]

$h_{ab,dx}$=[40, 99, 151, 247, 299, 359]

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

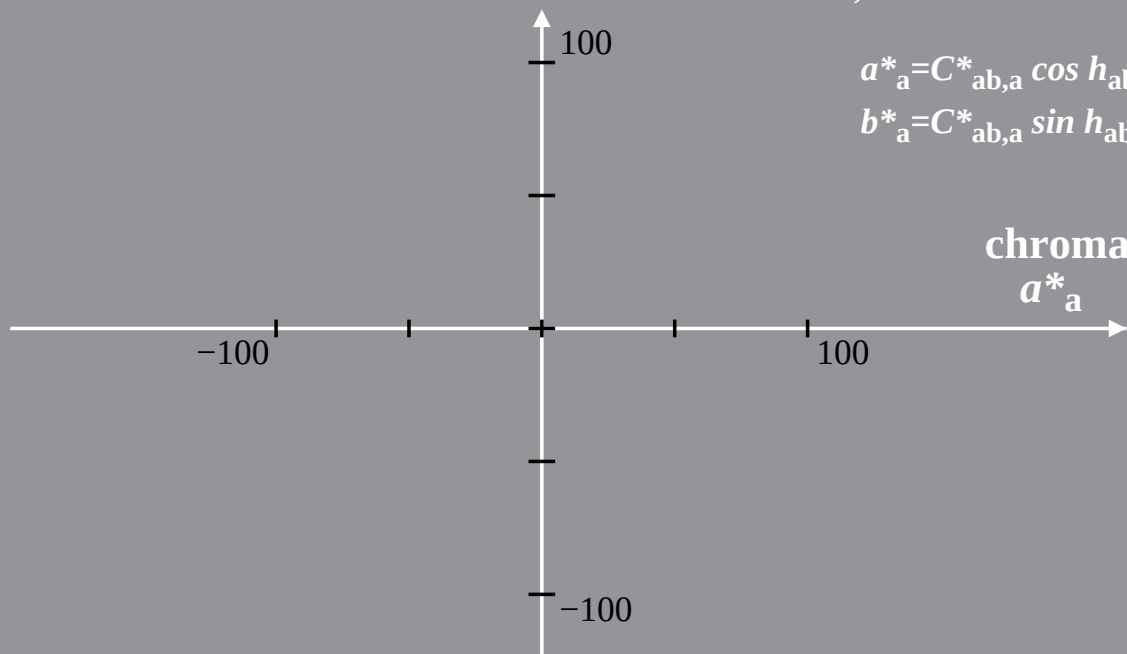
$$a^*_a=a^* - a^*_N - l^* [a^*_W - a^*_N]$$

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

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

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

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



SI490−4A, 2; cf1=0.90; nt=0.18; nx=1.0