

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

System: LE17_sRGB display 0%_Fadin

CIELAB hue angles:

$h_{ab,d} = [38, 96, 151, 236, 305, 354]$

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

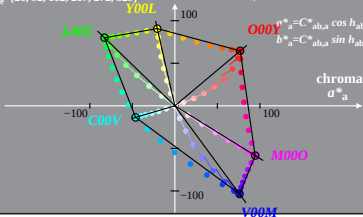
$$l^*_{lab*} = (L^* - L^*_N) / (L^*_W - L^*_N)$$

$$a^*_{*a} = a^* - a^*_N - l^*_{lab*} [a^*_W - a^*_N]$$

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

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

$$\begin{aligned} a^*_{*a} &= C^*_{ab,a} \cos h_{ab} \\ b^*_{*a} &= C^*_{ab,a} \sin h_{ab} \end{aligned}$$



LE170-4A, 0%_Fadin 0

Linear relation CIELAB (L^*, a^*, b^*) and *adapted* (a) CIELAB ($C^*_{ab,a}, L^*$)
 System: LE17_sRGB display 0%_Fadit

CIELAB hue angles:

$h_{ab,d} = [38, 96, 151, 236, 305, 354]$

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

$$l^*_{lab*} = (L^* - L^*_N) / (L^*_W - L^*_N)$$

$$a^*_{*a} = a^* - a^*_N - l^*_{lab*} [a^*_W - a^*_N]$$

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

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

