

Beziehung CIELAB (L^* , a^* , b^*) und *adaptiertes* (a) CIELAB ($C^*_{ab,a}$, L^*)

System: GG94_HRS16_96_D65_00%_G0 $l^*_{lab^*} = (L^* - L^*_N) / (L^*_W - L^*_N)$

CIELAB-Buntonwinkel:

$h_{ab,d} = [33, 100, 154, 227, 295, 347]$

$h_{ab,dx} = [30, 99, 151, 230, 301, 351]$

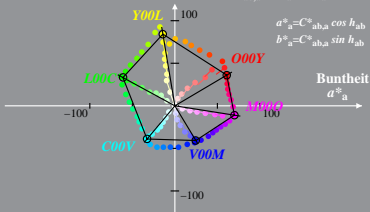
$$a^*_a = a^* - a^*_N - l^*_{lab^*} [a^*_W - a^*_N]$$

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

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

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

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



Beziehung CIELAB (L^* , a^* , b^*) und *adaptiertes* (a) CIELAB ($C^*_{ab,a}$, L^*)

System: GG94_HRS16_96_D65_00%_G1

CIELAB-Buntonwinkel:

$h_{ab,d}=[33, 100, 154, 227, 295, 347]$

$h_{ab,dx}=[33, 100, 154, 227, 295, 347]$

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

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

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

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

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

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

