

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

System: SG42\_HRS27\_96\_D65\_00%\_G0

CIELAB-Bunttonwinkel:

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

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

$$l^*=(L^*-L_N^*)/(L_W^*-L_N^*)$$

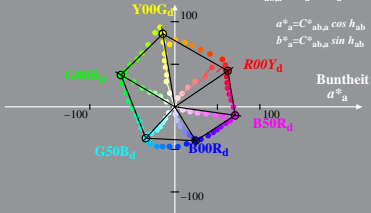
$$a_a^*=a^*-a_N^*-l^*[a_W^*-a_N^*]$$

$$b_a^*=b^*-b_N^*-l^*[b_W^*-b_N^*]$$

$$C_{ab,a}^*=[a_a^{*2}+b_a^{*2}]^{1/2}$$

$$a_a^*=C_{ab,a}^*\cos h_{ab}$$

$$b_a^*=C_{ab,a}^*\sin h_{ab}$$



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

System: SG42\_HRS27\_96\_D65\_00%\_G1

CIELAB-Bunttonwinkel:

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

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

$$l^*=(L^*-L_N^*)/(L_W^*-L_N^*)$$

$$a_a^*=a^*-a_N^*-l^*[a_W^*-a_N^*]$$

$$b_a^*=b^*-b_N^*-l^*[b_W^*-b_N^*]$$

$$C_{ab,a}^*=[a_a^{*2}+b_a^{*2}]^{1/2}$$

$$a_a^*=C_{ab,a}^*\cos h_{ab}$$

$$b_a^*=C_{ab,a}^*\sin h_{ab}$$

