

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

System: HG87_FRS09_92_D65_00%_O0

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

CIELAB-Buntonwinkel:

$$h_{ab,d} = [34, 92, 143, 226, 312, 337]$$

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

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

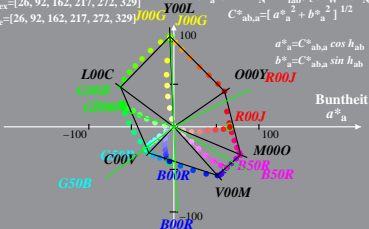
$$a^*_a = a^* - a^*_N - l^*_{lab^*} [a^*_W - a^*_N]$$

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

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

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

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



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

System: HG87_FRS09_92_D65_00%_O1 $l^*_{lab^*} = (L^* - L^*_N) / (L^*_W - L^*_N)$

CIELAB-Buntonwinkel:

$h_{ab,d} = [34, 92, 143, 226, 312, 337]$

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

$h_{ab,e} = [26, 92, 162, 217, 272, 329]$ **J00G J00G**

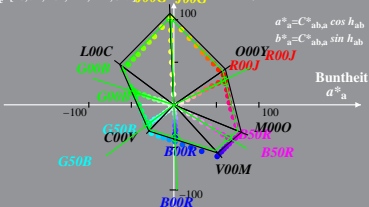
$$a^*_a = a^* - a^*_N - l^*_{lab^*} [a^*_W - a^*_N]$$

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

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

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

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

System: HG87_FRS09_92_D65_25%_O0

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

CIELAB-Buntonwinkel:

$h_{ab,d} = [34, 92, 143, 226, 312, 337]$

$h_{ab,ex} = [42, 109, 175, 230, 286, 343]$

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

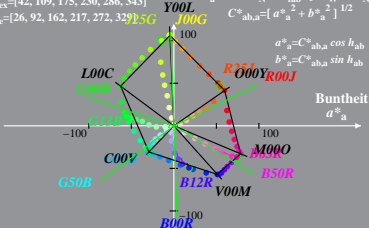
$$a^*_{a'} = a^* - a^*_N - l^*_{lab^*} [a^*_W - a^*_N]$$

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

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

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

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



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

System: HG87_FRS09_92_D65_25%_O1

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

CIELAB-Buntonwinkel:

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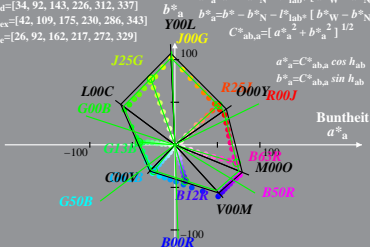
$$a^*_a = a^* - a^*_N - l^*_{lab^*} [a^*_W - a^*_N]$$

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

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

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

System: HG87_FRS09_92_D65_50%_O0

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

CIELAB-Buntonwinkel:

$h_{ab,d} = [34, 92, 143, 226, 312, 337]$

$h_{ab,ex} = [59, 127, 189, 244, 300, 357]$

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

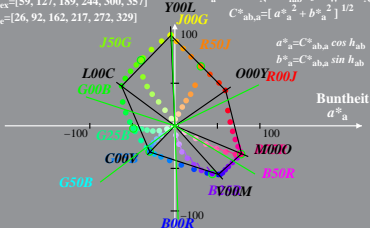
$$a^*_a = a^* - a^*_N - l^*_{lab^*} [a^*_W - a^*_N]$$

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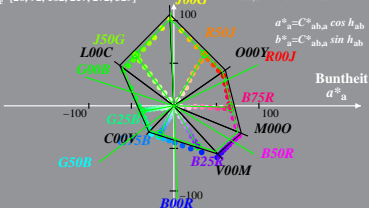
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Beziehung CIELAB (L^* , a^* , b^*) und adaptiertes (a) CIELAB ($C^*_{ab,a}$, L^*)

System: HG87_FRS09_92_D65_75%_O0

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

CIELAB-Buntonwinkel:

$$h_{ab,d} = [34, 92, 143, 226, 312, 337]$$

$$h_{ab,ex} = [75, 144, 203, 258, 314, 371]$$

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

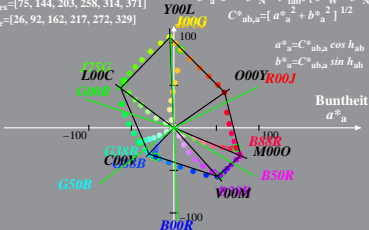
$$a^*_a = a^* - a^*_N - l^*_{lab^*} [a^*_W - a^*_N]$$

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

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