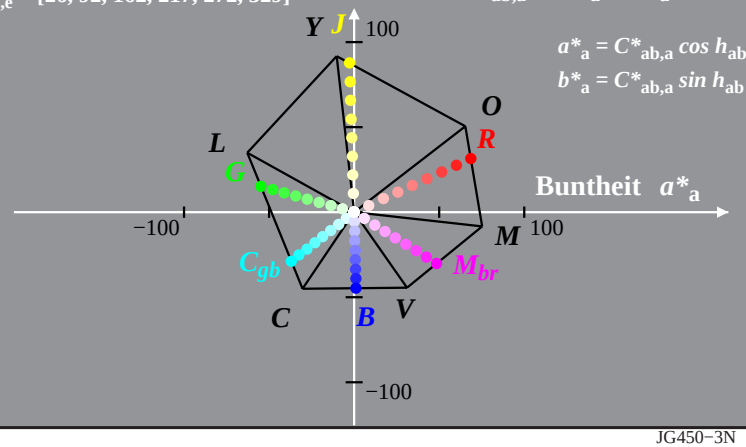
Beziehung CIELAB (L^*, a^*, b^*) und *adaptiertes (a)* CIELAB ($C^*_{ab,a}$, L^*)
System: ORS18a

$l^*_{lab*} = (L^* - L^*_N) / (L^*_W - L^*_N)$
$a^*_a = a^* - a^*_N - l^*_{lab*} [a^*_W - a^*_N]$
$b^*_a = b^* - b^*_N - l^*_{lab*} [b^*_W - b^*_N]$
$C^*_{ab,a} = [a^{*2}_a + b^{*2}_a]^{1/2}$

CIELAB-Buntonwinkel:
$h_{ab,d}$ = [37, 96, 150, 236, 305, 353]
$h_{ab,e}$ = [26, 92, 162, 217, 272, 329]

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



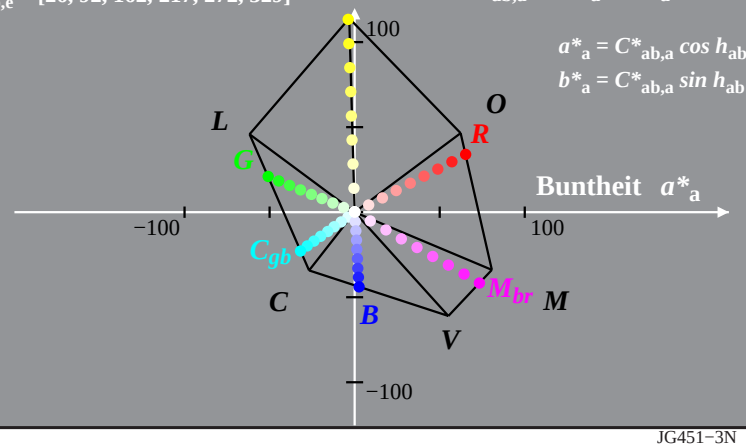
JG450−3N

Beziehung CIELAB (L^*, a^*, b^*) und *adaptiertes (a)* CIELAB ($C^*_{ab,a}$, L^*)
System: PRS06a

$l^*_{lab*} = (L^* - L^*_N) / (L^*_W - L^*_N)$
$a^*_a = a^* - a^*_N - l^*_{lab*} [a^*_W - a^*_N]$
$b^*_a = b^* - b^*_N - l^*_{lab*} [b^*_W - b^*_N]$
$C^*_{ab,a} = [a^{*2}_a + b^{*2}_a]^{1/2}$

CIELAB-Buntonwinkel:
$h_{ab,d}$ = [36, 91, 143, 231, 312, 337]
$h_{ab,e}$ = [26, 92, 162, 217, 272, 329]

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



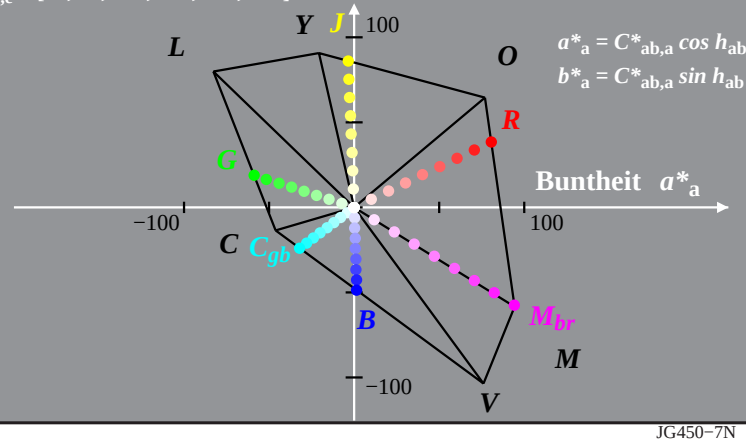
JG451−3N

Beziehung CIELAB (L^*, a^*, b^*) und *adaptiertes (a)* CIELAB ($C^*_{ab,a}$, L^*)
System: TLS00

$l^*_{lab*} = (L^* - L^*_N) / (L^*_W - L^*_N)$
$a^*_a = a^* - a^*_N - l^*_{lab*} [a^*_W - a^*_N]$
$b^*_a = b^* - b^*_N - l^*_{lab*} [b^*_W - b^*_N]$
$C^*_{ab,a} = [a^{*2}_a + b^{*2}_a]^{1/2}$

CIELAB-Buntonwinkel:
$h_{ab,d}$ = [40, 102, 136, 196, 306, 328]
$h_{ab,e}$ = [26, 92, 162, 217, 272, 329]

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



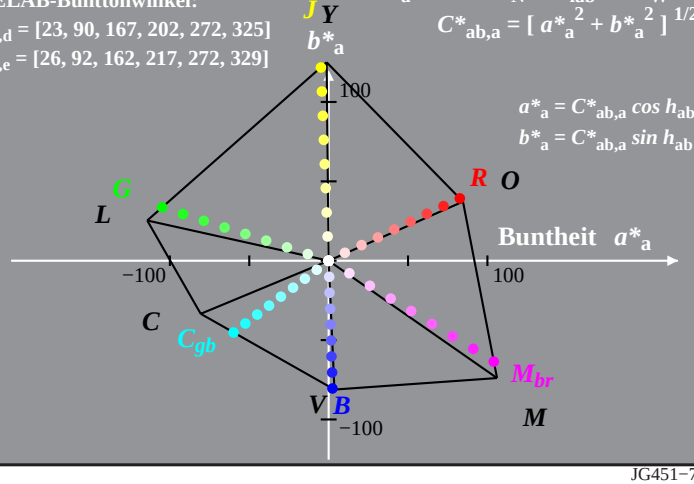
JG450−7N

Beziehung CIELAB (L^*, a^*, b^*) und *adaptiertes (a)* CIELAB ($C^*_{ab,a}$, L^*)
System: NRS11a

$l^*_{lab*} = (L^* - L^*_N) / (L^*_W - L^*_N)$
$a^*_a = a^* - a^*_N - l^*_{lab*} [a^*_W - a^*_N]$
$b^*_a = b^* - b^*_N - l^*_{lab*} [b^*_W - b^*_N]$
$C^*_{ab,a} = [a^{*2}_a + b^{*2}_a]^{1/2}$

CIELAB-Buntonwinkel:
$h_{ab,d}$ = [23, 90, 167, 202, 272, 325]
$h_{ab,e}$ = [26, 92, 162, 217, 272, 329]

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



JG451−7N