

Beziehung adaptiertes (a) CIELAB ($C^*_{ab,a}, L^*$) und relatives CIELAB (c^*, t^*)
 LG48_LCD projector_2 0%_Fadin

$$l^*_M = (L^*_M - L^*_N) / (L^*_W - L^*_N)$$

$$t^*_{lab} = l^*_{lab} - c^*_{lab} [l^*_M - 0,5]$$

CIELAB-Buntonwinkel:

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

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

$$b^*_{lab}$$

$$c^*_{lab}$$

$$C^*_{ab,a} / C^*_{ab,a,M}$$

M =Maximalfarbe

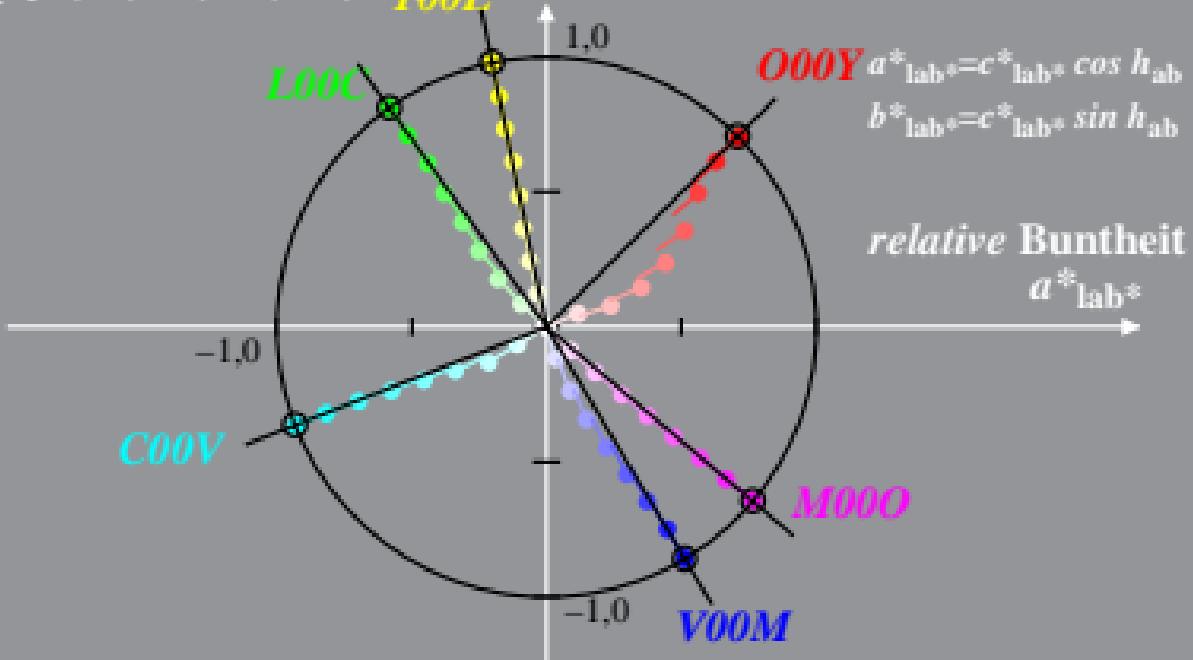
Y00L

O00Y

relative Buntheit

$$a^*_{lab}$$

$$b^*_{lab} = c^*_{lab} \sin h_{ab}$$



Beziehung adaptiertes (a) CIELAB ($C^*_{ab,a}, L^*$) und relatives CIELAB (c^*, t^*)
 LG48_LCD projector_2 0%_Faeit

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CIELAB-Buntonwinkel:

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$$b^*_{lab}$$

$$c^*_{lab}$$

$$M = \text{Maximalfarbe}$$

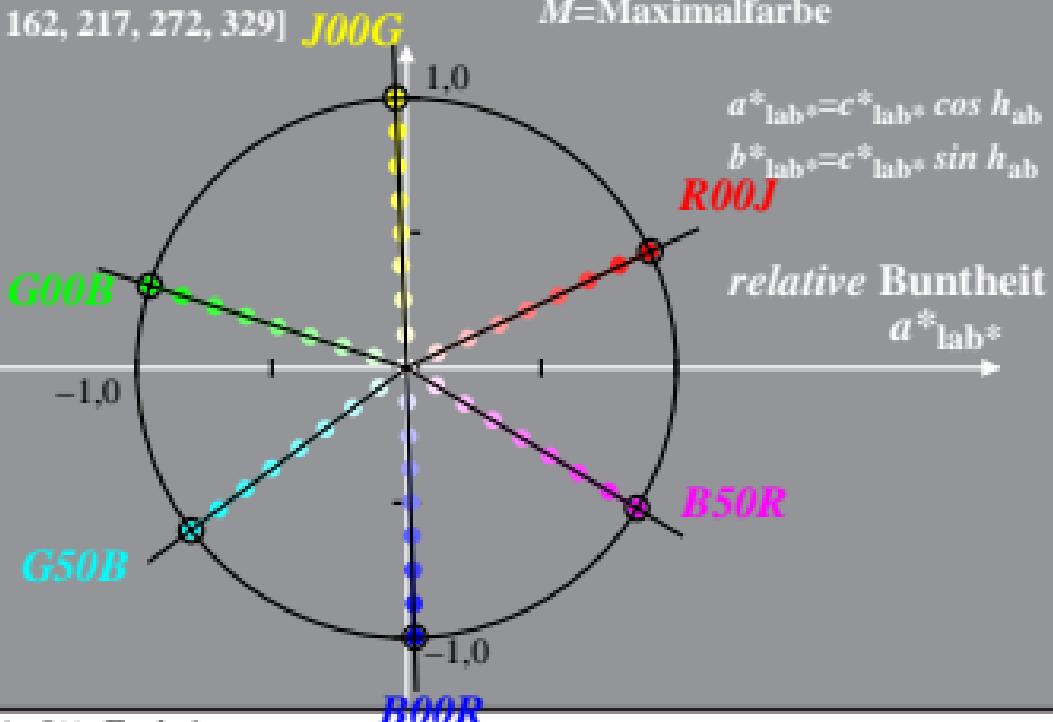
$$a^*_{lab} = c^*_{lab} \cos h_{ab}$$

$$b^*_{lab} = c^*_{lab} \sin h_{ab}$$

R00J

relative Buntheit

$$a^*_{lab}$$



Beziehung adaptiertes (a) CIELAB ($C^*_{ab,a}, L^*$) und relatives CIELAB (c^*, t^*)
 LG48_LCD projector_2 0,6%_Fadin

$$l^*_M = (L^*_M - L^*_N) / (L^*_W - L^*_N)$$

$$t^*_{lab} = l^*_{lab} - c^*_{lab} [l^*_M - 0,5]$$

CIELAB-Buntonwinkel:

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

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

$$b^*_{lab}$$

$$c^*_{lab}$$

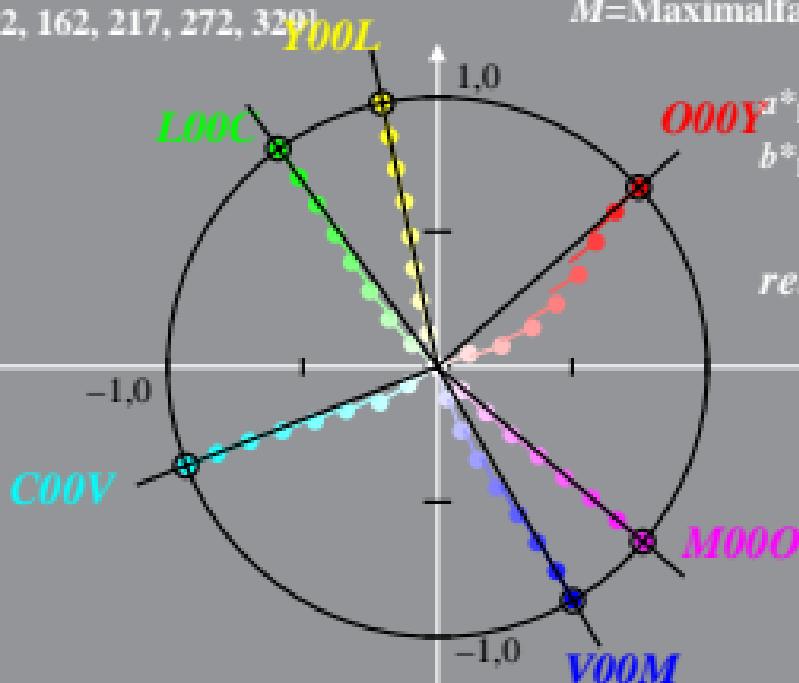
$$M = \text{Maximalfarbe}$$

$$Y^*_{lab} = c^*_{lab} \cos h_{ab}$$

$$b^*_{lab} = c^*_{lab} \sin h_{ab}$$

relative Buntheit

$$a^*_{lab}$$



Beziehung adaptiertes (a) CIELAB ($C^*_{ab,a}$, L^*) und relatives CIELAB (c^* , t^*)
 LG48_LCD projector_2 0,6%_Facit

$$l^*_M = (L^*_M - L^*_N) / (L^*_W - L^*_N)$$

$$t^*_{lab} = l^*_{lab} - c^*_{lab} [l^*_M - 0,5]$$

CIELAB-Buntonwinkel:

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

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

$$b^*_{lab}$$

$$c^*_{lab}$$

M =Maximalfarbe

J00G

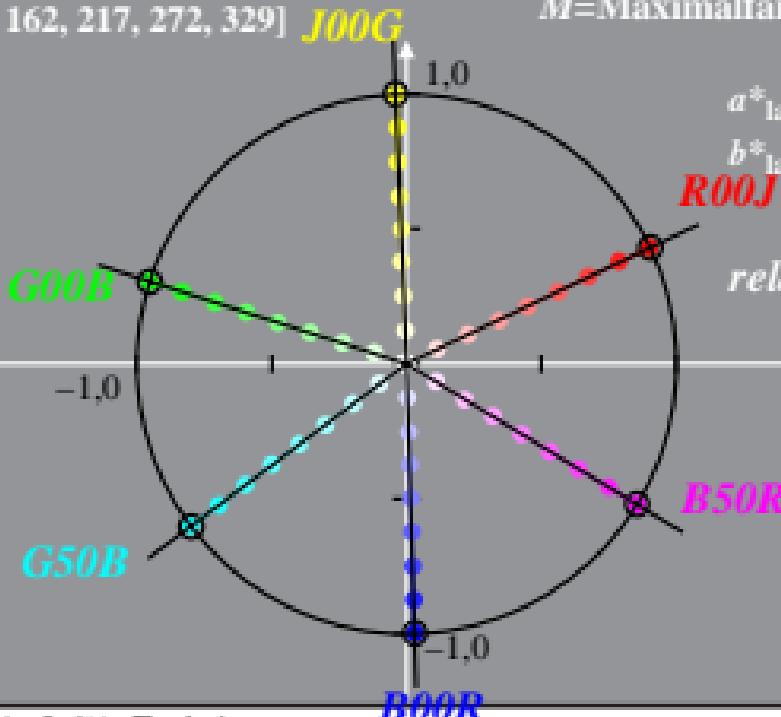
$$a^*_{lab} = c^*_{lab} \cos h_{ab}$$

$$b^*_{lab} = c^*_{lab} \sin h_{ab}$$

R00J

relative Buntheit

$$a^*_{lab}$$



Beziehung adaptiertes (a) CIELAB ($C^*_{ab,a}$, L^*) und relatives CIELAB (c^* , t^*)
 LG48_LCD projector_2 1,2%_Fadin

$$l^*_M = (L^*_M - L^*_N) / (L^*_W - L^*_N)$$

$$t^*_{lab} = l^*_{lab} - c^*_{lab} [l^*_M - 0,5]$$

CIELAB-Buntonwinkel:

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

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

$$b^*_{lab}$$

$$c^*_{lab}$$

M =Maximalfarbe

Y00L

L00C

O00Y

C00V

M000

a*_{lab}

relative Buntheit

a*_{lab}

$$a^*_{lab} = c^*_{lab} \cos h_{ab}$$

$$b^*_{lab} = c^*_{lab} \sin h_{ab}$$

V00M

Beziehung adaptiertes (a) CIELAB ($C^*_{ab,a}$, L^*) und relatives CIELAB (c^* , t^*)
 LG48_LCD projector_2 1,2%_Facit

$$l^*_M = (L^*_M - L^*_N) / (L^*_W - L^*_N)$$

$$t^*_{lab} = l^*_{lab} - c^*_{lab} [l^*_M - 0,5]$$

CIELAB-Buntonwinkel:

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

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

$$b^*_{lab}$$

$$c^*_{lab}$$

M =Maximalfarbe

J00G

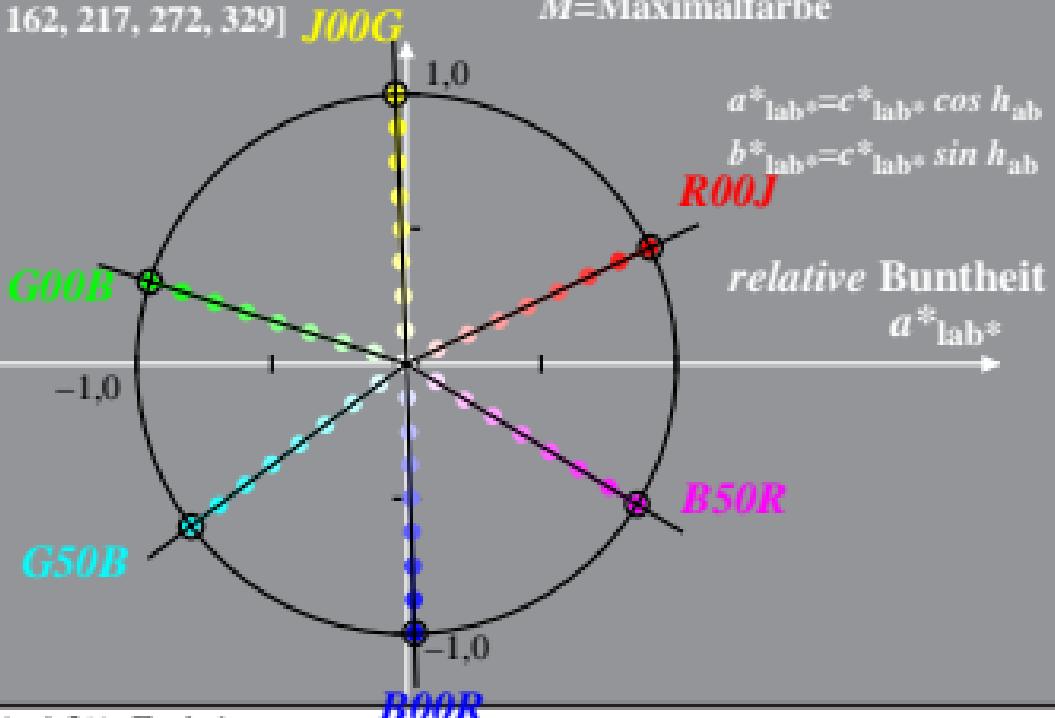
$$a^*_{lab} = c^*_{lab} \cos h_{ab}$$

$$b^*_{lab} = c^*_{lab} \sin h_{ab}$$

R00J

relative Buntheit

$$a^*_{lab}$$



Beziehung adaptiertes (a) CIELAB ($C^*_{ab,a}$, L^*) und relatives CIELAB (c^* , t^*)
 LG48_LCD projector_2 2,5%_Fadin

$$l^*_M = (L^*_M - L^*_N) / (L^*_W - L^*_N)$$

$$t^*_{lab} = l^*_{lab} - c^*_{lab} [l^*_M - 0,5]$$

CIELAB-Buntonwinkel:

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

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

$$b^*_{lab}$$

$$c^*_{lab}$$

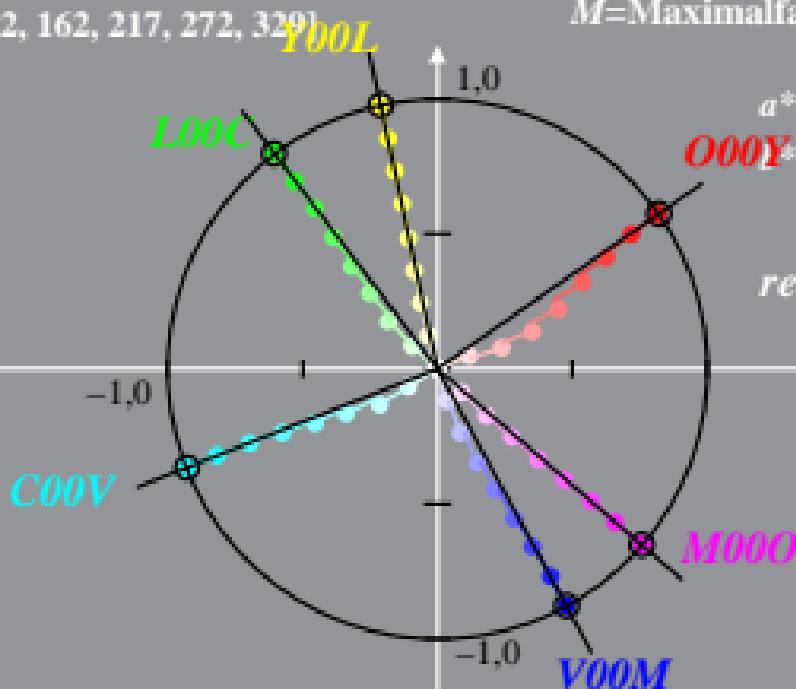
M =Maximalfarbe

$$a^*_{lab} = c^*_{lab} \cos h_{ab}$$

$$O00Y_{lab} = c^*_{lab} \sin h_{ab}$$

relative Buntheit

$$a^*_{lab}$$



Beziehung adaptiertes (a) CIELAB ($C^*_{ab,a}$, L^*) und relatives CIELAB (c^* , t^*)
 LG48_LCD projector_2 2,5%_Facit

$$l^*_M = (L^*_M - L^*_N) / (L^*_W - L^*_N)$$

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CIELAB-Buntonwinkel:

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

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

$$b^*_{lab}$$

$$c^*_{lab}$$

$$M = \text{Maximalfarbe}$$

J00G

$$a^*_{lab} = c^*_{lab} \cos h_{ab}$$

$$b^*_{lab} = c^*_{lab} \sin h_{ab}$$

R00J

relative Buntheit

$$a^*_{lab}$$

G00B

-1,0

G50B

B00R

-1,0

B50R

1,0

LG481-4A, 2,5%_Facit 1

Beziehung adaptiertes (a) CIELAB ($C^*_{ab,a}, L^*$) und relatives CIELAB (c^*, t^*)
 LG48_LCD projector_2 5%_Fadin

$$l^*_M = (L^*_M - L^*_N) / (L^*_W - L^*_N)$$

$$t^*_{lab} = l^*_{lab} - c^*_{lab} [l^*_M - 0,5]$$

CIELAB-Buntonwinkel:

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

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

$$b^*_{lab}$$

$$c^*_{lab}$$

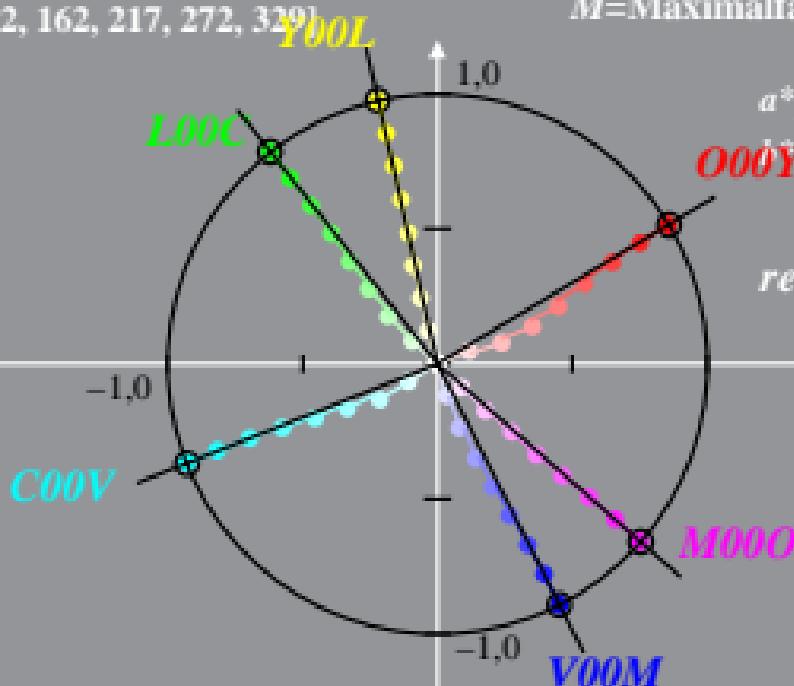
$$M = \text{Maximalfarbe}$$

$$a^*_{lab} = c^*_{lab} \cos h_{ab}$$

$$b^*_{lab} = c^*_{lab} \sin h_{ab}$$

relative Buntheit

$$a^*_{lab}$$



Beziehung adaptiertes (a) CIELAB ($C^*_{ab,a}$, L^*) und relatives CIELAB (c^* , t^*)
 LG48_LCD projector_2 5%_Faeit

$$l^*_M = (L^*_M - L^*_N) / (L^*_W - L^*_N)$$

$$t^*_{lab} = l^*_{lab} - c^*_{lab} [l^*_M - 0,5]$$

CIELAB-Buntonwinkel:

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

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

$$b^*_{lab}$$

$$c^*_{lab}$$

M =Maximalfarbe

J00G

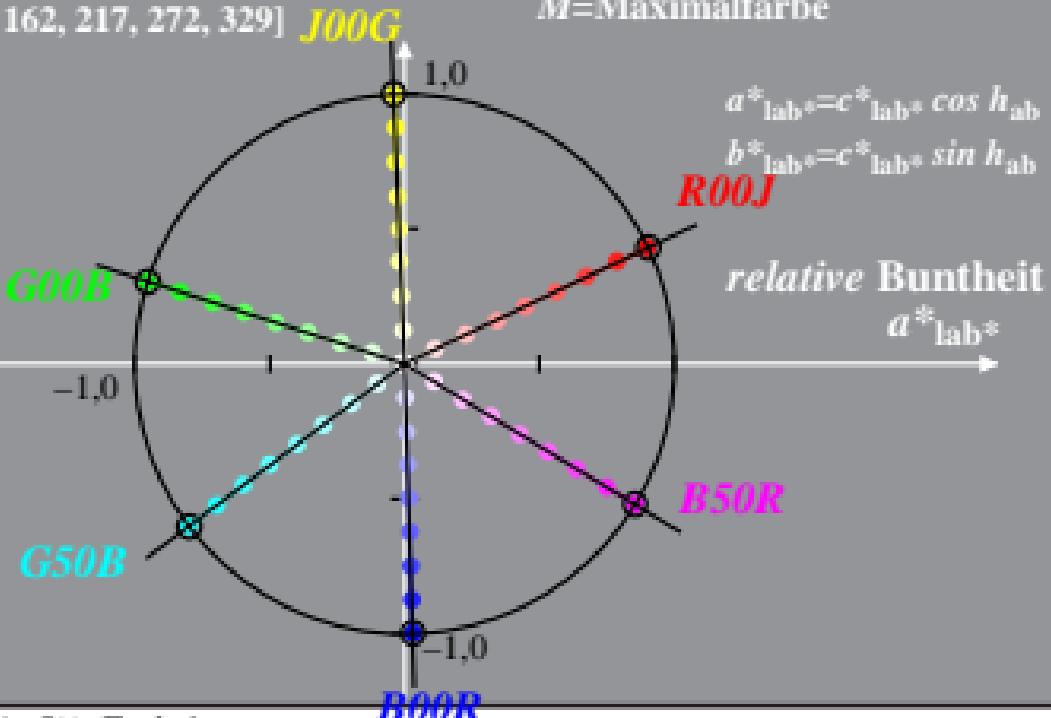
$$a^*_{lab} = c^*_{lab} \cos h_{ab}$$

$$b^*_{lab} = c^*_{lab} \sin h_{ab}$$

R00J

relative Buntheit

$$a^*_{lab}$$



Beziehung adaptiertes (a) CIELAB ($C^*_{ab,a}$, L^*) und relatives CIELAB (c^* , t^*)
 LG48_LCD projector_2 10%_Fadin

$$l^*_M = (L^*_M - L^*_N) / (L^*_W - L^*_N)$$

$$t^*_{lab} = l^*_{lab} - c^*_{lab} [l^*_M - 0,5]$$

CIELAB-Buntonwinkel:

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

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

$$b^*_{lab}$$

$$c^*_{lab}$$

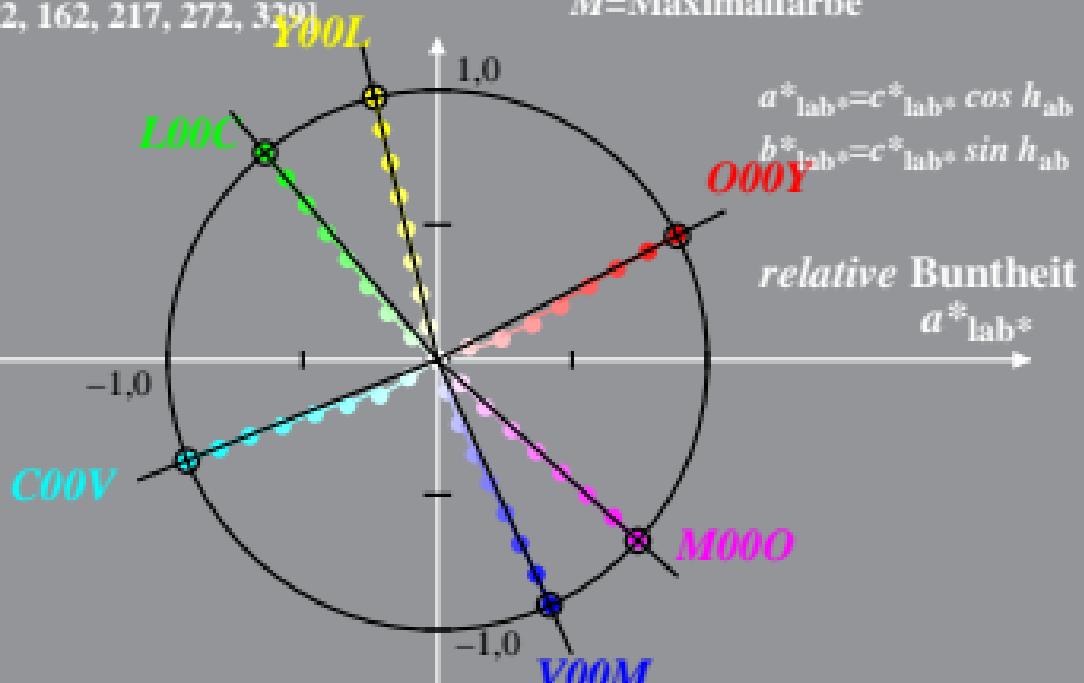
M =Maximalfarbe

$$a^*_{lab} = c^*_{lab} \cos h_{ab}$$

$$b^*_{lab} = c^*_{lab} \sin h_{ab}$$

relative Buntheit

$$a^*_{lab}$$



Beziehung adaptiertes (a) CIELAB ($C^*_{ab,a}$, L^*) und relatives CIELAB (c^* , t^*)
 LG48_LCD projector_2 10%_Faeit

$$l^*_M = (L^*_M - L^*_N) / (L^*_W - L^*_N)$$

$$t^*_{lab} = l^*_{lab} - c^*_{lab} [l^*_M - 0,5]$$

CIELAB-Buntonwinkel:

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

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

$$b^*_{lab}$$

$$c^*_{lab}$$

$$M = \text{Maximalfarbe}$$

J00G

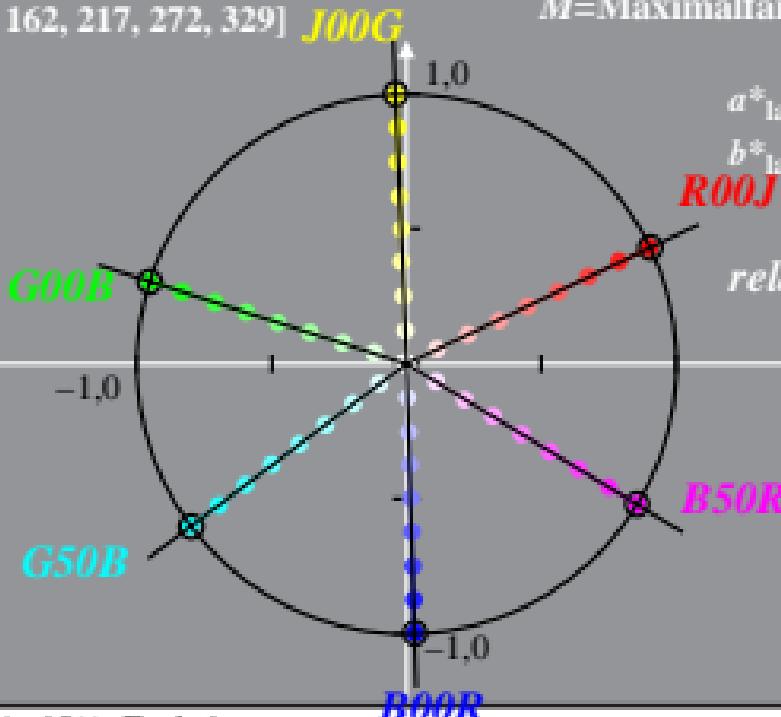
$$a^*_{lab} = c^*_{lab} \cos h_{ab}$$

$$b^*_{lab} = c^*_{lab} \sin h_{ab}$$

R00J

relative Buntheit

$$a^*_{lab}$$



Beziehung adaptiertes (a) CIELAB ($C^*_{ab,a}$, L^*) und relatives CIELAB (c^* , t^*)
 LG48_LCD projector_2 20%_Fadin

$$l^*_M = (L^*_M - L^*_N) / (L^*_W - L^*_N)$$

$$t^*_{lab} = l^*_{lab} - c^*_{lab} [l^*_M - 0,5]$$

CIELAB-Buntonwinkel:

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

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

$$b^*_{lab}$$

$$c^*_{lab}$$

M =Maximalfarbe

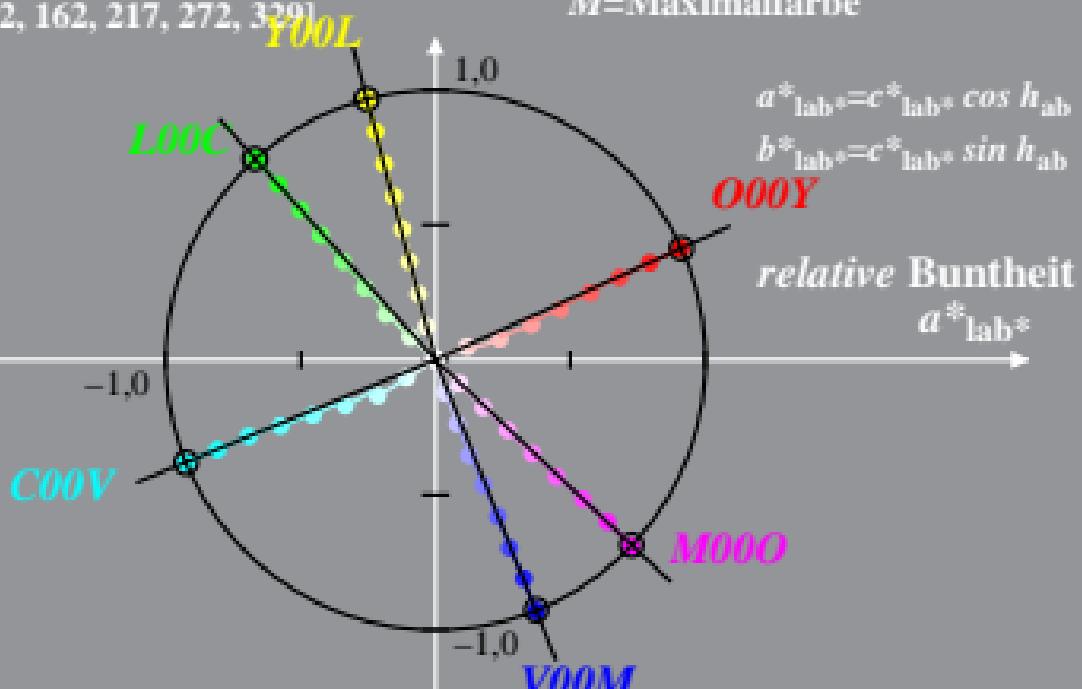
$$a^*_{lab} = c^*_{lab} \cos h_{ab}$$

$$b^*_{lab} = c^*_{lab} \sin h_{ab}$$

$O00Y$

relative Buntheit

$$a^*_{lab}$$



Beziehung adaptiertes (a) CIELAB ($C^*_{ab,a}$, L^*) und relatives CIELAB (c^* , t^*)
 LG48_LCD projector_2 20%_Faeit

$$l^*_M = (L^*_M - L^*_N) / (L^*_W - L^*_N)$$

$$t^*_{lab} = l^*_{lab} - c^*_{lab} [l^*_M - 0,5]$$

CIELAB-Buntonwinkel:

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

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

$$b^*_{lab}$$

$$c^*_{lab}$$

M =Maximalfarbe

J00G

$$a^*_{lab} = c^*_{lab} \cos h_{ab}$$

$$b^*_{lab} = c^*_{lab} \sin h_{ab}$$

R00J

relative Buntheit

$$a^*_{lab}$$

G00B

-1,0

G50B

B00R

-1,0

B50R

LG481-4A, 20%_Faeit I

Beziehung adaptiertes (a) CIELAB ($C^*_{ab,a}, L^*$) und relatives CIELAB (c^*, l^*)
 LG48_LCD projector_2 40%_Fadin

$$l^*_M = (L^*_M - L^*_N) / (L^*_W - L^*_N)$$

$$l^*_{lab} = l^*_{lab*} - c^*_{lab*} [l^*_M - 0,5]$$

CIELAB-Buntonwinkel:

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

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

$$b^*_{lab*}$$

$$c^*_{lab*} = C^*_{ab,a} / C^*_{ab,a,M}$$

M =Maximalfarbe

Y00L

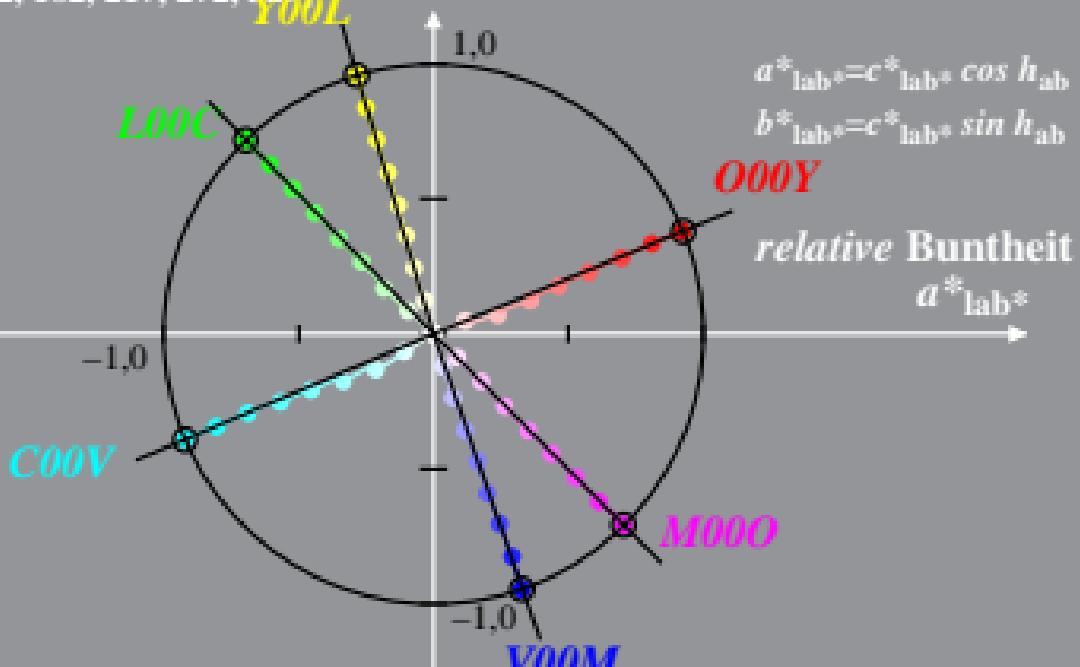
$$a^*_{lab*} = c^*_{lab*} \cos h_{ab}$$

$$b^*_{lab*} = c^*_{lab*} \sin h_{ab}$$

O00Y

relative Buntheit

$$a^*_{lab*}$$



Beziehung adaptiertes (a) CIELAB ($C^*_{ab,a}$, L^*) und relatives CIELAB (c^* , t^*)
 LG48_LCD projector_2 40%_Faeit

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$$b^*_{lab}$$

$$c^*_{lab}$$

M =Maximalfarbe

J00G

$$a^*_{lab} = c^*_{lab} \cos h_{ab}$$

$$b^*_{lab} = c^*_{lab} \sin h_{ab}$$

R00J

relative Buntheit

$$a^*_{lab}$$

G00B

-1,0

G50B

B00R

-1,0

B50R

1,0

1,0

J00G

LG481-4A, 40%_Faeit