

Beziehung  $olv^*$  und relative Buntheit  $c^*_{olv^*}$  oder Buntheit  $a^*_{olv^*}, b^*_{olv^*}$   
 LG46\_LCD projector\_1 0%\_Fadin

$$c^*_{olv^*} = \max(olv^*) - \min(olv^*)$$

$$n^* = 1 - \max(olv^*) = 1 - i^*$$

CIELAB-Buntonwinkel:

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

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

$$b^*_{olv^*}$$

$$w^* = \min(olv^*) = 1 - d^*$$

$$l^*_{olv^*} = w^* + 0,5 c^*_{olv^*}$$

Y00L

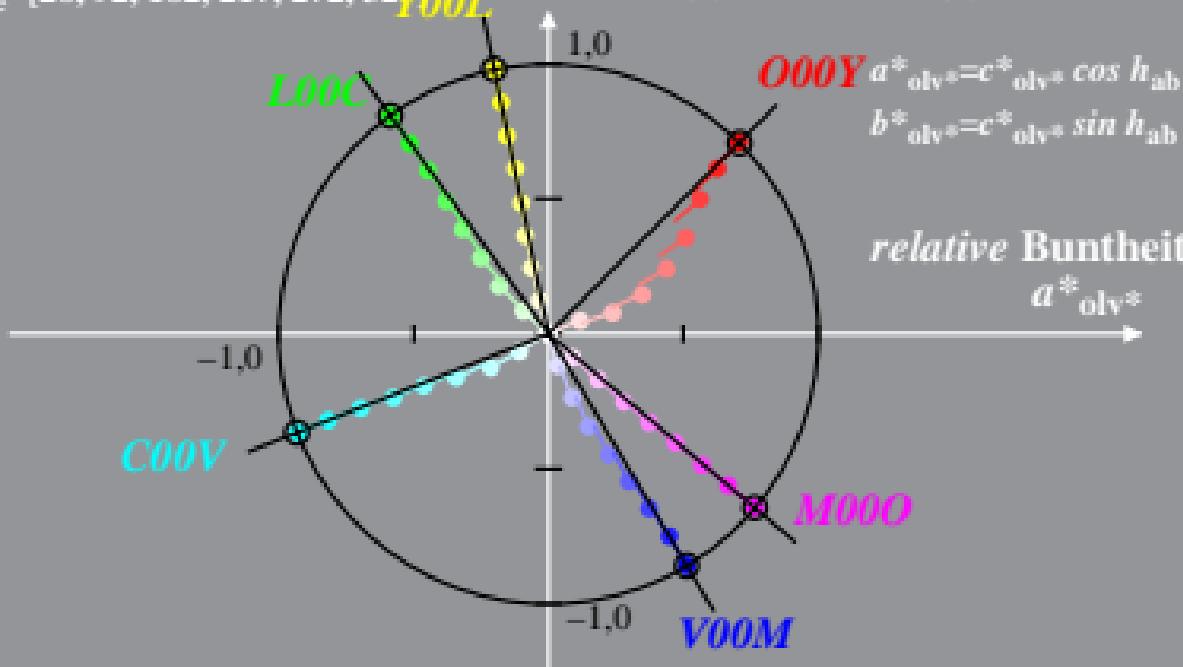
O00Y

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

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

relative Buntheit

$$a^*_{olv^*}$$



Beziehung  $rgb^*$  und relative Buntheit  $c^*_{rgb^*}$  oder Buntheit  $a^*_{rgb^*}, b^*_{rgb^*}$   
LG46\_LCD projector\_1 0%\_Faeit

$$c^*_{rgb^*} = \max (rgb^*) - \min (rgb^*)$$

$$n^* = 1 - \max (rgb^*) = 1 - i^*$$

CIELAB-Buntonwinkel:

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

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

$$b^*_{rgb^*} \quad w^* = \min (rgb^*) = 1 - d^*$$

$$l^*_{rgb^*} = w^* + 0,5 c^*_{rgb^*}$$

**J00G**

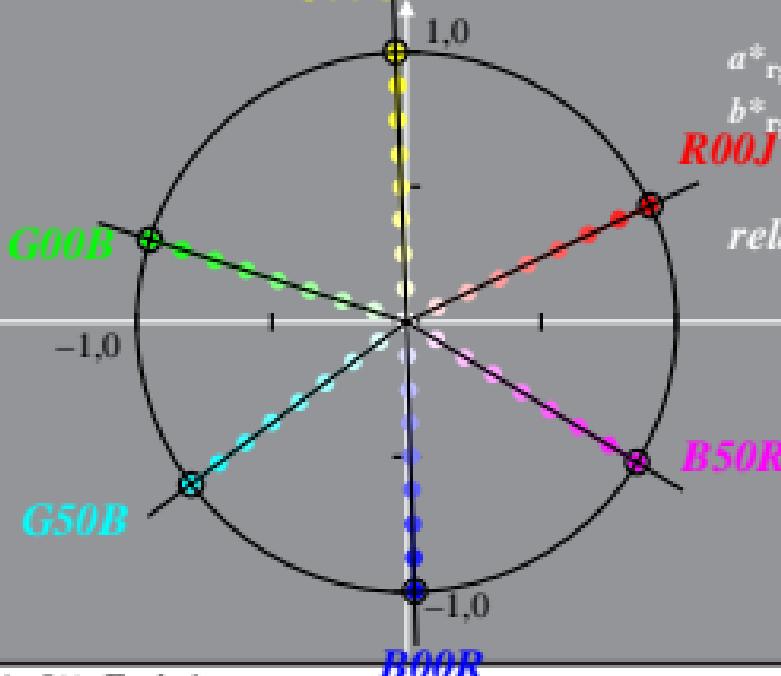
$$a^*_{rgb^*} = c^*_{rgb^*} \cos h_{ab}$$

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

**R00J**

relative Buntheit

$$a^*_{rgb^*}$$



Beziehung  $olv^*$  und relative Buntheit  $c^*_{olv^*}$  oder Buntheit  $a^*_{olv^*}, b^*_{olv^*}$   
LG46\_LCD projector\_1 0,6%\_Fadin

$$c^*_{olv^*} = \max(olv^*) - \min(olv^*)$$

$$n^* = 1 - \max(olv^*) = 1 - i^*$$

CIELAB-Buntonwinkel:

$$b^*_{olv^*}$$

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

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

**Y00L**

$$w^* = \min(olv^*) = 1 - d^*$$

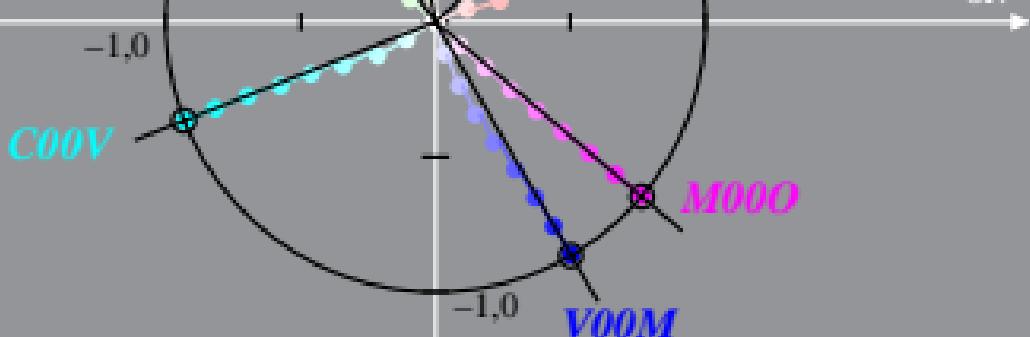
$$l^*_{olv^*} = w^* + 0,5 c^*_{olv^*}$$

$$O00Y^{*}_{olv^*} = c^*_{olv^*} \cos h_{ab}$$

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

relative Buntheit

$$a^*_{olv^*}$$



Beziehung  $rgb^*$  und relative Buntheit  $c^*_{rgb^*}$  oder Buntheit  $a^*_{rgb^*}, b^*_{rgb^*}$   
LG46\_LCD projector\_1 0,6%\_Facit

$$c^*_{rgb^*} = \max (rgb^*) - \min (rgb^*)$$

$$n^* = 1 - \max (rgb^*) = 1 - i^*$$

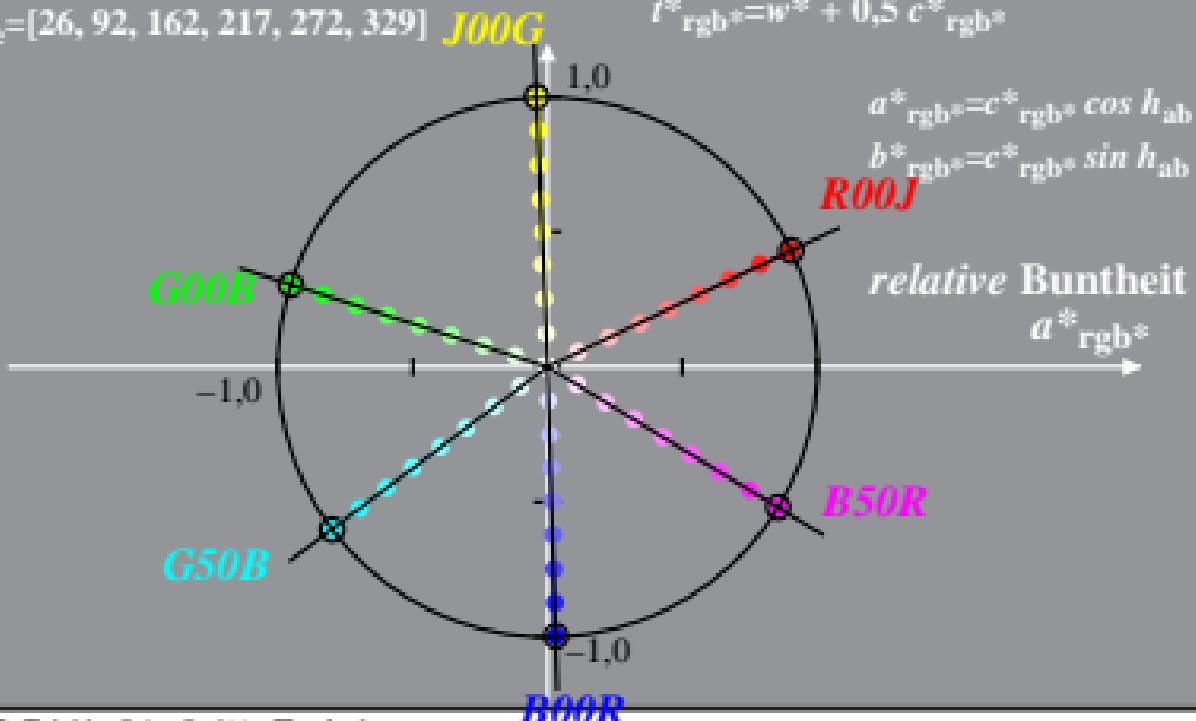
CIELAB-Buntonwinkel:

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

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

$$b^*_{rgb^*} \quad w^* = \min (rgb^*) = 1 - d^*$$

$$l^*_{rgb^*} = w^* + 0,5 c^*_{rgb^*}$$



Beziehung  $olv^*$  und relative Buntheit  $c^*_{olv^*}$  oder Buntheit  $a^*_{olv^*}, b^*_{olv^*}$   
LG46\_LCD projector\_1 1,2%\_Fadin

$$c^*_{olv^*} = \max(olv^*) - \min(olv^*)$$

$$n^* = 1 - \max(olv^*) = 1 - i^*$$

CIELAB-Buntonwinkel:

$$b^*_{olv^*}$$

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

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

*Y00L*

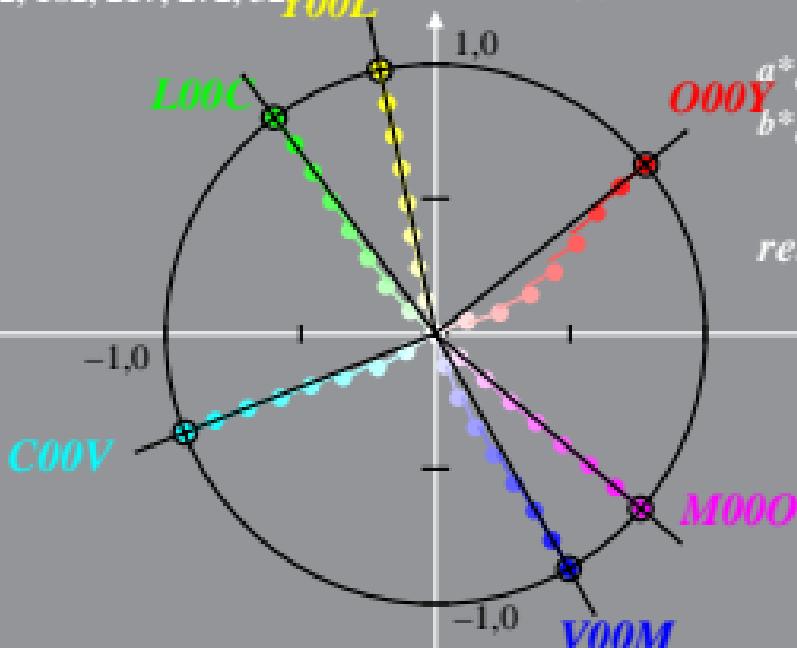
$$w^* = \min(olv^*) = 1 - d^*$$

$$l^*_{olv^*} = w^* + 0,5 c^*_{olv^*}$$

$$\begin{aligned} a^*_{olv^*} &= c^*_{olv^*} \cos h_{ab} \\ b^*_{olv^*} &= c^*_{olv^*} \sin h_{ab} \end{aligned}$$

relative Buntheit

$$a^*_{olv^*}$$



Beziehung  $rgb^*$  und relative Buntheit  $c^*_{rgb^*}$  oder Buntheit  $a^*_{rgb^*}, b^*_{rgb^*}$   
 LG46\_LCD projector\_1 1,2%\_Facit

$$c^*_{rgb^*} = \max (rgb^*) - \min (rgb^*)$$

$$n^* = 1 - \max (rgb^*) = 1 - i^*$$

CIELAB-Buntonwinkel:

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

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

$$b^*_{rgb^*} \quad w^* = \min (rgb^*) = 1 - d^*$$

$$l^*_{rgb^*} = w^* + 0,5 c^*_{rgb^*}$$

**J00G**

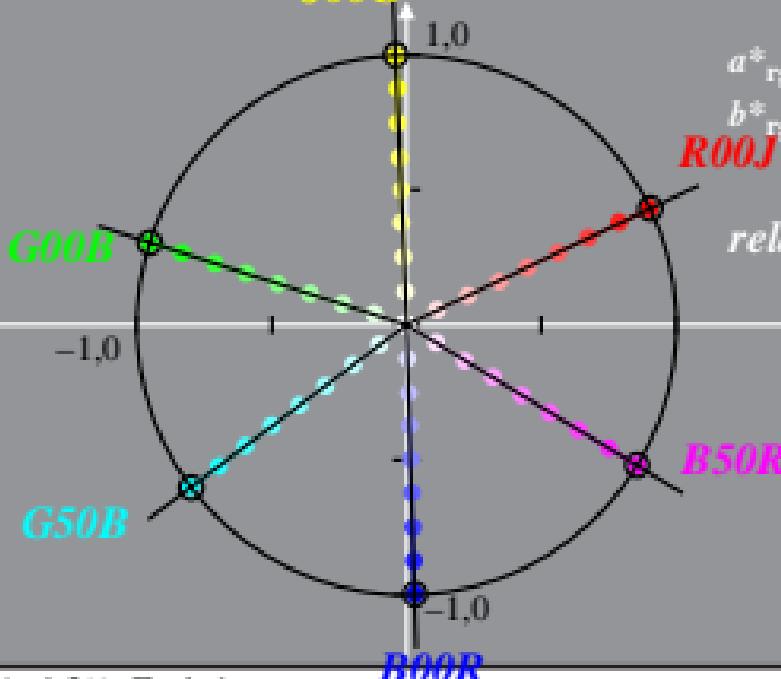
$$a^*_{rgb^*} = c^*_{rgb^*} \cos h_{ab}$$

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

**R00J**

relative Buntheit

$$a^*_{rgb^*}$$



Beziehung  $olv^*$  und relative Buntheit  $c^*_{olv^*}$  oder Buntheit  $a^*_{olv^*}, b^*_{olv^*}$   
LG46\_LCD projector\_1 2,5%\_Fadin

$$c^*_{olv^*} = \max(olv^*) - \min(olv^*)$$

$$n^* = 1 - \max(olv^*) = 1 - i^*$$

CIELAB-Buntonwinkel:

$$b^*_{olv^*}$$

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

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

*Y00L*

$$w^* = \min(olv^*) = 1 - d^*$$

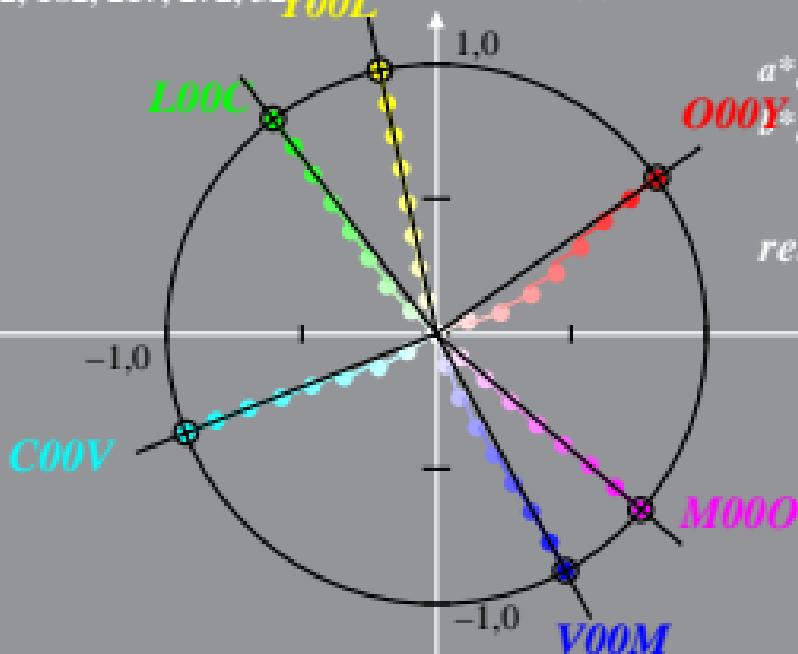
$$l^*_{olv^*} = w^* + 0,5 c^*_{olv^*}$$

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

$$O00Y^*_{olv^*} = c^*_{olv^*} \sin h_{ab}$$

relative Buntheit

$$a^*_{olv^*}$$



Beziehung  $rgb^*$  und relative Buntheit  $c^*_{rgb^*}$  oder Buntheit  $a^*_{rgb^*}, b^*_{rgb^*}$   
LG46\_LCD projector\_1 2,5%\_Facit

$$c^*_{rgb^*} = \max (rgb^*) - \min (rgb^*)$$

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CIELAB-Buntonwinkel:

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

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

$$b^*_{rgb^*} \quad w^* = \min (rgb^*) = 1 - d^*$$

$$l^*_{rgb^*} = w^* + 0,5 c^*_{rgb^*}$$

**J00G**

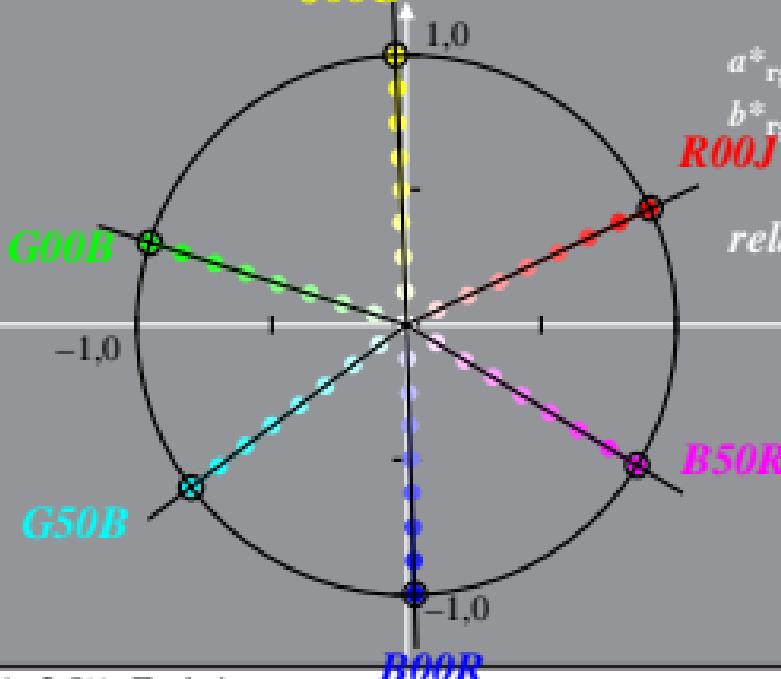
$$a^*_{rgb^*} = c^*_{rgb^*} \cos h_{ab}$$

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

**R00J**

relative Buntheit

$$a^*_{rgb^*}$$



Beziehung  $olv^*$  und relative Buntheit  $c^*_{olv^*}$  oder Buntheit  $a^*_{olv^*}, b^*_{olv^*}$   
 LG46\_LCD projector\_1 5%\_Fadin

$$c^*_{olv^*} = \max(olv^*) - \min(olv^*)$$

$$n^* = 1 - \max(olv^*) = 1 - i^*$$

CIELAB-Buntonwinkel:

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

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

$$b^*_{olv^*}$$

$$w^* = \min(olv^*) = 1 - d^*$$

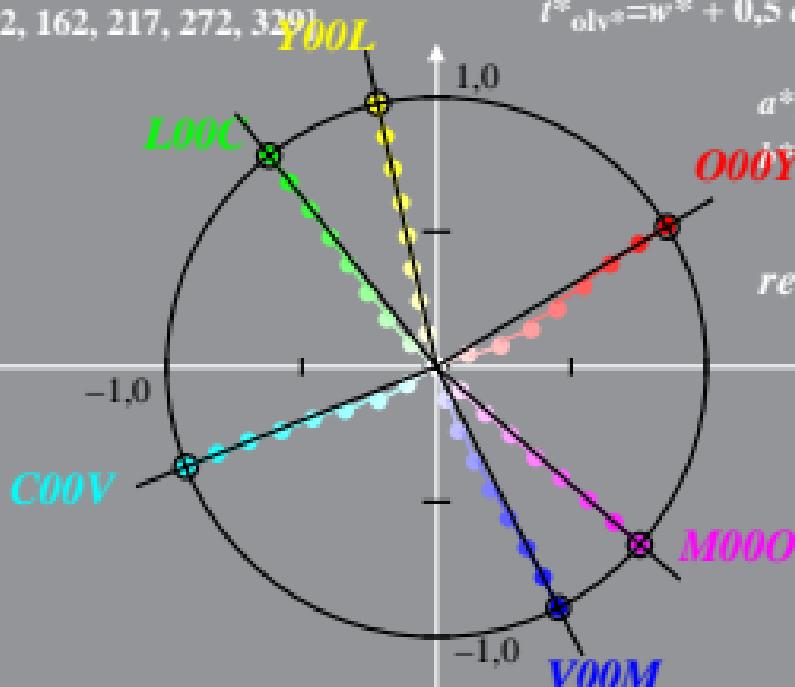
$$l^*_{olv^*} = w^* + 0,5 c^*_{olv^*}$$

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

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

relative Buntheit

$$a^*_{olv^*}$$



Beziehung  $rgb^*$  und relative Buntheit  $c^*_{rgb^*}$  oder Buntheit  $a^*_{rgb^*}, b^*_{rgb^*}$   
LG46\_LCD projector\_1 5%\_Faeit

$$c^*_{rgb^*} = \max (rgb^*) - \min (rgb^*)$$

$$n^* = 1 - \max (rgb^*) = 1 - i^*$$

CIELAB-Buntonwinkel:

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

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

$$b^*_{rgb^*} \quad w^* = \min (rgb^*) = 1 - d^*$$

$$l^*_{rgb^*} = w^* + 0,5 c^*_{rgb^*}$$

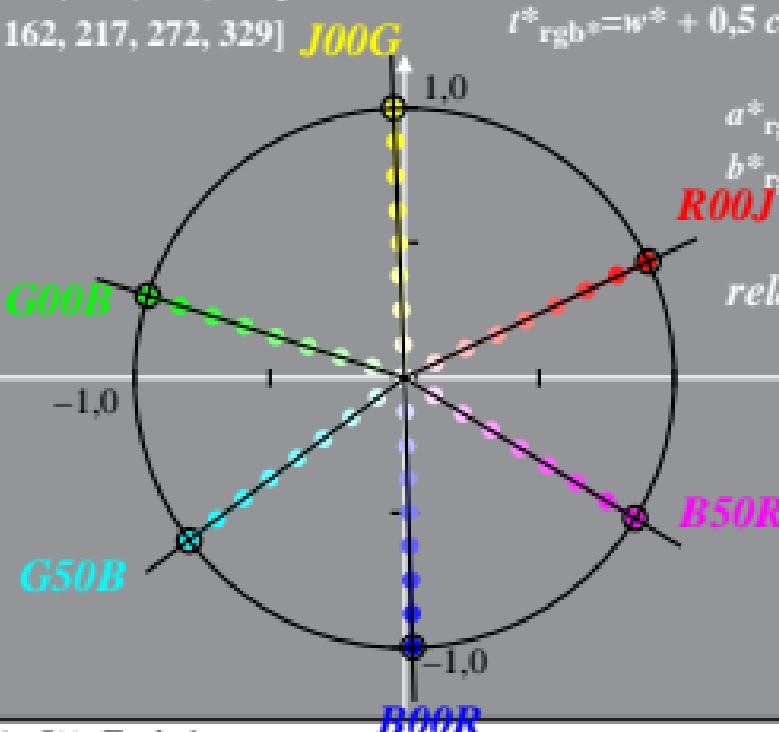
$$a^*_{rgb^*} = c^*_{rgb^*} \cos h_{ab}$$

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

**R00J**

relative Buntheit

$$a^*_{rgb^*}$$



Beziehung  $olv^*$  und relative Buntheit  $c^*_{olv^*}$  oder Buntheit  $a^*_{olv^*}, b^*_{olv^*}$   
LG46\_LCD projector\_1 10%\_Fadin

$$c^*_{olv^*} = \max(olv^*) - \min(olv^*)$$

$$n^* = 1 - \max(olv^*) = 1 - i^*$$

CIELAB-Buntonwinkel:

$$b^*_{olv^*}$$

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

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

$$w^* = \min(olv^*) = 1 - d^*$$

$$l^*_{olv^*} = w^* + 0,5 c^*_{olv^*}$$

**Y00L**

**L00C**

**O00Y**

**C00V**

relative Buntheit

$$a^*_{olv^*}$$

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

**M000**

**V00M**

Beziehung  $rgb^*$  und relative Buntheit  $c^*_{rgb^*}$  oder Buntheit  $a^*_{rgb^*}, b^*_{rgb^*}$   
 LG46\_LCD projector\_1 10%\_Faeit

$$c^*_{rgb^*} = \max (rgb^*) - \min (rgb^*)$$

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CIELAB-Buntonwinkel:

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

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$$b^*_{rgb^*} \quad w^* = \min (rgb^*) = 1 - d^*$$

$$l^*_{rgb^*} = w^* + 0,5 c^*_{rgb^*}$$

**J00G**

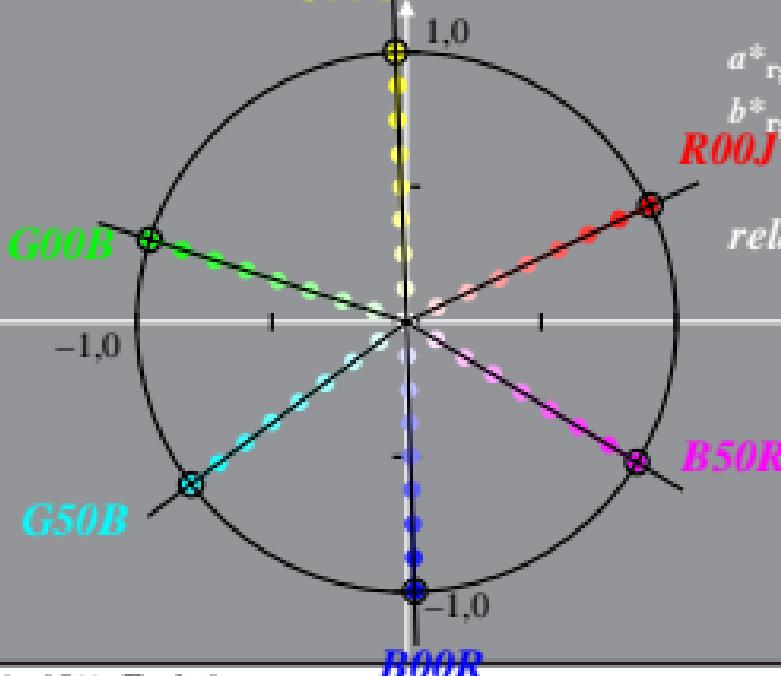
$$a^*_{rgb^*} = c^*_{rgb^*} \cos h_{ab}$$

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

**R00J**

relative Buntheit

$$a^*_{rgb^*}$$



Beziehung  $olv^*$  und relative Buntheit  $c^*_{olv^*}$  oder Buntheit  $a^*_{olv^*}, b^*_{olv^*}$   
 LG46\_LCD projector\_1 20%\_Fadin

$$c^*_{olv^*} = \max(olv^*) - \min(olv^*)$$

$$n^* = 1 - \max(olv^*) = 1 - i^*$$

CIELAB-Buntonwinkel:

$$b^*_{olv^*}$$

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

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

*Y00L*

$$w^* = \min(olv^*) = 1 - d^*$$

$$l^*_{olv^*} = w^* + 0,5 c^*_{olv^*}$$

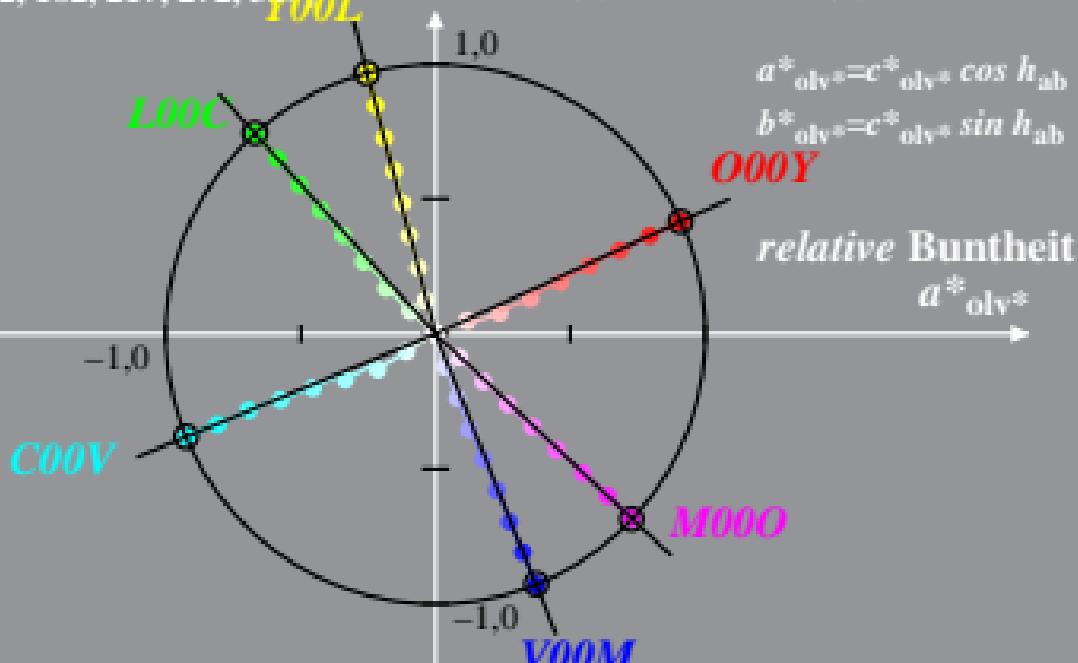
$$a^*_{olv^*} = c^*_{olv^*} \cos h_{ab}$$

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

*O00Y*

relative Buntheit

$$a^*_{olv^*}$$



Beziehung  $rgb^*$  und relative Buntheit  $c^*_{rgb^*}$  oder Buntheit  $a^*_{rgb^*}, b^*_{rgb^*}$   
LG46\_LCD projector\_1 20%\_Faeit

$$c^*_{rgb^*} = \max (rgb^*) - \min (rgb^*)$$

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CIELAB-Buntonwinkel:

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

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$$b^*_{rgb^*} \quad w^* = \min (rgb^*) = 1 - d^*$$

$$l^*_{rgb^*} = w^* + 0,5 c^*_{rgb^*}$$

**J00G**

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

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

**R00J**

relative Buntheit

$$a^*_{rgb^*}$$

**G00B**

-1,0

**G50B**

**B00R**

**B50R**

Beziehung  $olv^*$  und relative Buntheit  $c^*_{olv^*}$  oder Buntheit  $a^*_{olv^*}, b^*_{olv^*}$   
LG46\_LCD projector\_1 40%\_Fadin

$$c^*_{olv^*} = \max(olv^*) - \min(olv^*)$$

$$n^* = 1 - \max(olv^*) = 1 - i^*$$

CIELAB-Buntonwinkel:

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

$$b^*_{olv^*}$$

$$w^* = \min(olv^*) = 1 - d^*$$

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

$$t^*_{olv^*} = w^* + 0,5 c^*_{olv^*}$$

*Y00L*

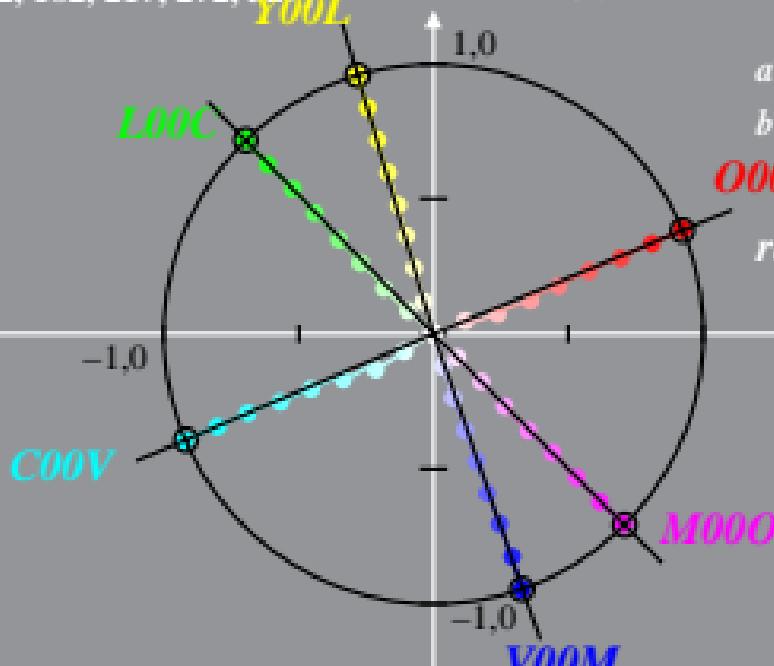
$$a^*_{olv^*} = c^*_{olv^*} \cos h_{ab}$$

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

*O00Y*

relative Buntheit

$$a^*_{olv^*}$$



Beziehung  $rgb^*$  und relative Buntheit  $c^*_{rgb^*}$  oder Buntheit  $a^*_{rgb^*}, b^*_{rgb^*}$   
LG46\_LCD projector\_1 40%\_Faeit

$$c^*_{rgb^*} = \max (rgb^*) - \min (rgb^*)$$

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CIELAB-Buntonwinkel:

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

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**R00J**

relative Buntheit

$$a^*_{rgb^*}$$

