

LABJNDu1 relative tristimulus value difference

$$Y_{nc} = Y_{wRGBnc} = 100, 21, 72, 7$$
$$I^*_{LABINDU} = \ln(A_{1n} + A_{2n}Y)/(A_{2n}A_{0n}) \quad (Y_{nc}/100 < Y \leq Y_{nc})$$
$$I_{\text{LABIND}}^* = \ln(A_{10} + A_{20}x) / (A_{20}A_{00}) \quad (x = Y/Y_0)$$
$$dY/dY_u = (A_{1u} + A_{2u}x)/(A_{1u} + A_{2u})$$
$$dY_{90}/dY_{11}=4,43, A_{00}=1,5, A_{20}=0,1044, c_x=1,00$$
$$dY_{18}/dY_0=1,00, A_{10}=0,017, A_{20}=0,0058$$
$$dY_{3,6}/dY_{11}=0,31, Y_{11}=18, dY_{11}=0,18$$
$$I_{\text{II}}^* = 332, dY_{\text{II}} = 0,18, dY_{\text{II}}/Y_{\text{II}} = 0,0101$$
$$\log[(dY)/(dY)_u]=0, \quad m_u=0,86$$

**application
range**

$$\|x\|_1 = 1$$

100 Y

$$X_N = \begin{pmatrix} 1 \\ 0 \end{pmatrix}$$

1

$$X_W = \begin{bmatrix} 1 & 0 \\ 0 & 1 \end{bmatrix}$$

2

 $\log(Y)$