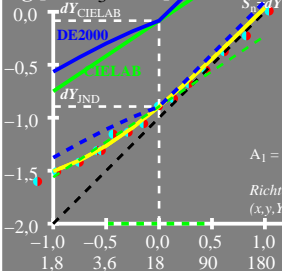


$\log [dY, A_3 \cdot \Delta a \cdot Y]$



$$dY = A_1 [1 + A_2/A_1 Y]$$

$x_r$	$dY_n$	$Y$
-1.0	0.031	1.8
-0.5	0.054	5.6
0.0	0.127	18.0
0.5	0.359	56.9
1.0	1.091	180

$$A_2/A_1 = 0.2895$$

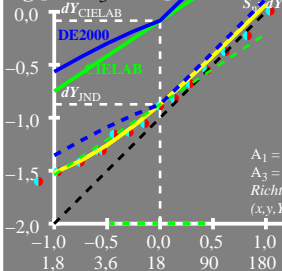
$$A_1 = 0.0205 \quad A_2 = 0.0059$$

*Richter\_D\_PO2\_022S* ●

$(x, y, Y)_u = (0.33, 0.36, 18)$

$$x_r = \log[Y/Y_{18}]$$

$\log [dY, A_3 \cdot \Delta a \cdot Y]$

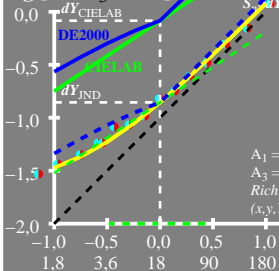


$$dY = A_1 [1 + A_2/A_1 Y]$$

$$S_9 \cdot dY_{\text{CIELAB}} / dY_{\text{JND}} = 6.1$$

$x_r$	$dY_n$	$Y$
-1.0	0.03	1.8
-0.5	0.055	5.6
0.0	0.133	18.0
0.5	0.382	56.9
1.0	1.17	180

$\log [dY, A_3 \cdot \Delta a \cdot Y]$



$$dY = A_1 [1 + A_2/A_1 Y]$$

$$S_{dY} = dY_{CIE LAB} / dY_{JND} = 5.9$$

$x_r$	$dY_n$	$Y$
-1.0	0.033	1.8
-0.5	0.059	5.6
0.0	0.139	18.0
0.5	0.394	56.9
1.0	1.198	180

$$A_2/A_1 = 0.298$$

$$A_1 = 0.0219 \quad A_2 = 0.0065$$

$$A_3 = 1.179 \quad A_4 = 1.685$$

*Richter\_P\_PO4\_066A* ●

$$(x, y, Y)_u = (0.33, 0.36, 18)$$

$$x_r = \log[Y/Y_{18}]$$

$$Y$$