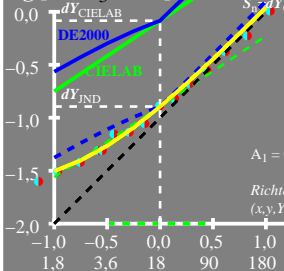


$\log [dY, A_3 \cdot \Delta a \cdot Y]$



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

$$S_u \cdot dY_{\text{CIELAB}} / dY_{\text{JND}} = 6.4$$

$x_r$	$dY_u$	$\log Y$
-1.0	0.027	0.25
-0.5	0.059	0.75
0.0	0.127	1.25
0.5	0.274	1.75
1.0	0.592	2.25

$x_r$     $dY_u$     $\log Y$

-1.0   0.027   0.25

-0.5   0.059   0.75

0.0   0.127   1.25

0.5   0.274   1.75

1.0   0.592   2.25

$$A_2/A_1 = 0.2895$$

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

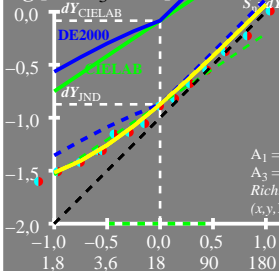
*Richter\_D\_PO2\_022S*   ●

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

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

$Y$

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



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

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

$x_r$	$dY_u$	$\log Y$
-1.0	0.028	0.25
-0.5	0.062	0.75
0.0	0.133	1.25
0.5	0.288	1.75
1.0	0.621	2.25

$A_2/A_1 = 0.3405$

$A_1 = 0.0187$     $A_2 = 0.0063$

$A_3 = 1.0$     $A_4 = 1.0$

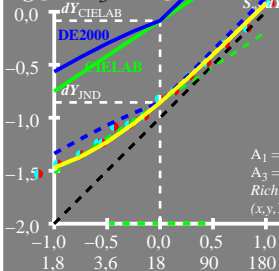
*Richter\_D\_PO2\_066S*   ● ●

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

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

1.8   3.6   18   90   180    $Y$

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



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

$x_r$	$dY_u$	$\log Y$
-1.0	0.03	0.25
-0.5	0.064	0.75
0.0	0.139	1.25
0.5	0.3	1.75
1.0	0.647	2.25

$x_r$     $dY_u$     $\log Y$

-1.0   0.03   0.25

-0.5   0.064   0.75

0.0   0.139   1.25

0.5   0.3   1.75

1.0   0.647   2.25

$A_2/A_1 = 0.298$

$A_1 = 0.0219$     $A_2 = 0.0065$

$A_3 = 1.179$     $A_4 = 1.685$

*Richter\_P\_PO4\_066A*   ● ● ●

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

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

1.8   3.6   18   90   180    $Y$