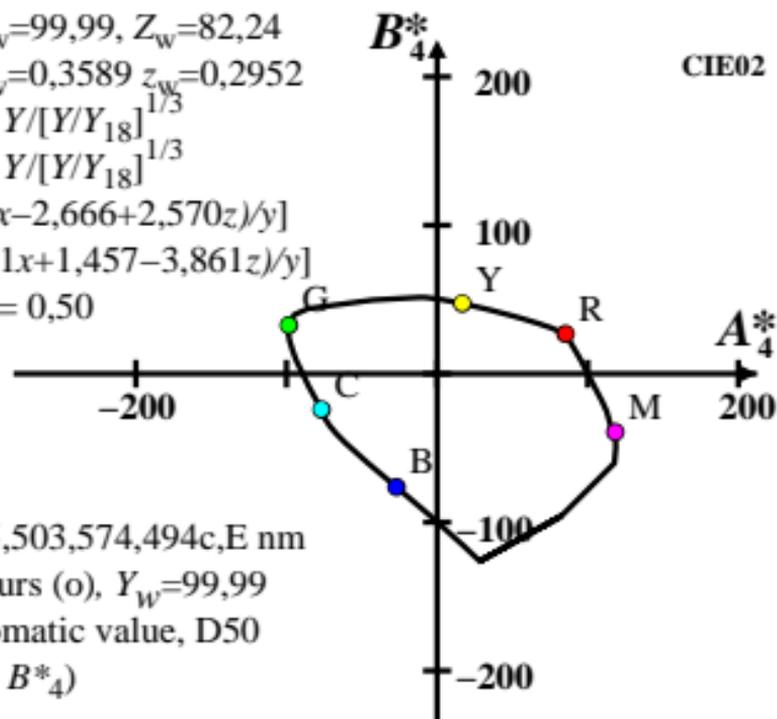
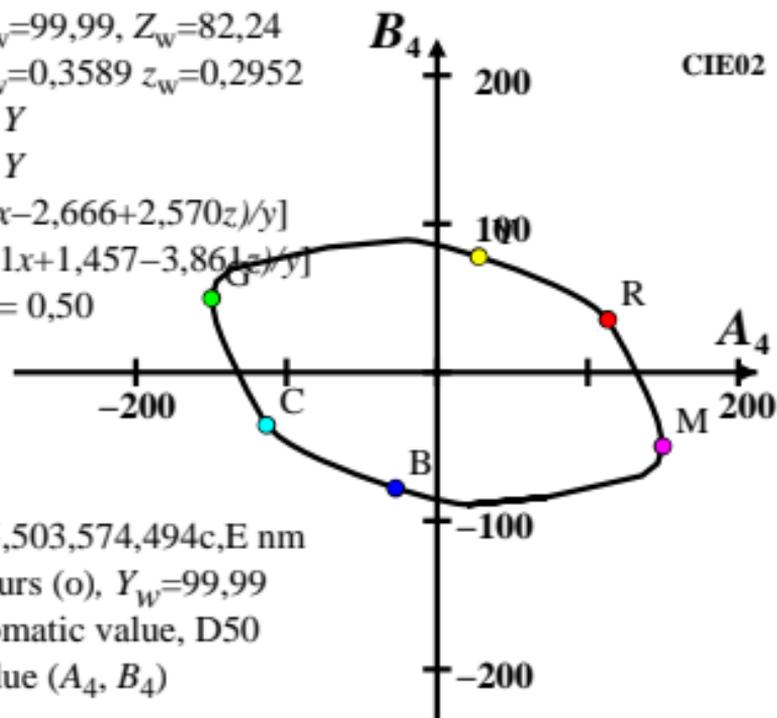


$X_w=96,31, Y_w=99,99, Z_w=82,24$   
 $x_w=0,3457 y_w=0,3589 z_w=0,2952$   
 $A_4=(a_4-a_{4,u}) Y/[Y/Y_{18}]^{1/3}$   
 $B_4=(b_4-b_{4,u}) Y/[Y/Y_{18}]^{1/3}$   
 $a_4=n_a[(5,645x-2,666+2,570z)/y]$   
 $b_4=n_b[(-1,871x+1,457-3,861z)/y]$   
 $n_a = 1,40, n_b = 0,50$   
 $n = D50$



$\lambda_{B,G,Y,R}=475,503,574,494c,E nm$   
*Ostwald* colours (o),  $Y_w=99,99$   
 max (m) chromatic value, D50  
 chroma ( $A_4^*, B_4^*$ )

$X_w=96,31, Y_w=99,99, Z_w=82,24$   
 $x_w=0,3457 y_w=0,3589 z_w=0,2952$   
 $A_4=(a_4-a_{4,u}) Y$   
 $B_4=(b_4-b_{4,u}) Y$   
 $a_4=n_a[(5,645x-2,666+2,570z)/y]$   
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 $n_a = 1,40, n_b = 0,50$   
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$\lambda_{B,G,Y,R}=475,503,574,494c,E nm$   
*Ostwald* colours (o),  $Y_w=99,99$   
 max (m) chromatic value, D50  
 chromatic value ( $A_4, B_4$ )

$$X_w=96,63, Y_w=100,00, Z_w=81,17$$

$$x_w=0,3478 \quad y_w=0,3599 \quad z_w=0,2921$$

$$A_4=(a_4-a_{4,u}) Y/[Y/Y_{18}]^{1/3}$$

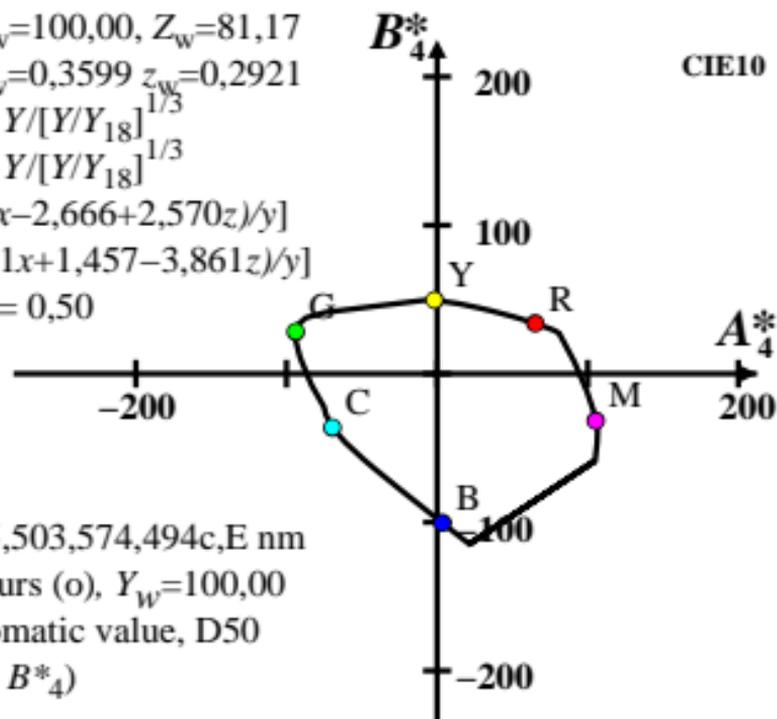
$$B_4=(b_4-b_{4,u}) Y/[Y/Y_{18}]^{1/3}$$

$$a_4=n_a[(5,645x-2,666+2,570z)/y]$$

$$b_4=n_b[(-1,871x+1,457-3,861z)/y]$$

$$n_a = 1,40, \quad n_b = 0,50$$

$$n = D50$$



$$X_w=96,63, Y_w=100,00, Z_w=81,17$$

$$x_w=0,3478 \quad y_w=0,3599 \quad z_w=0,2921$$

$$A_4=(a_4-a_{4,u}) Y$$

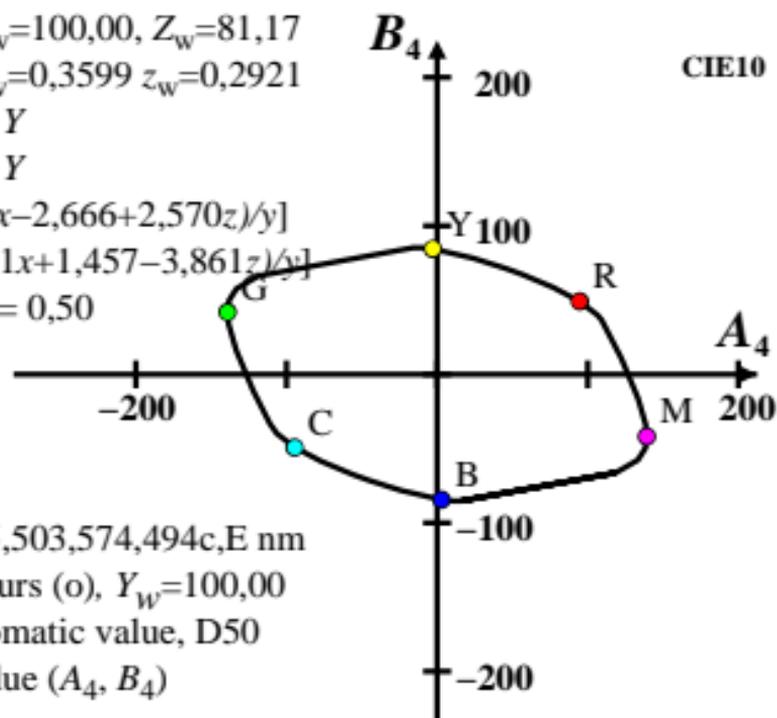
$$B_4=(b_4-b_{4,u}) Y$$

$$a_4=n_a[(5,645x-2,666+2,570z)/y]$$

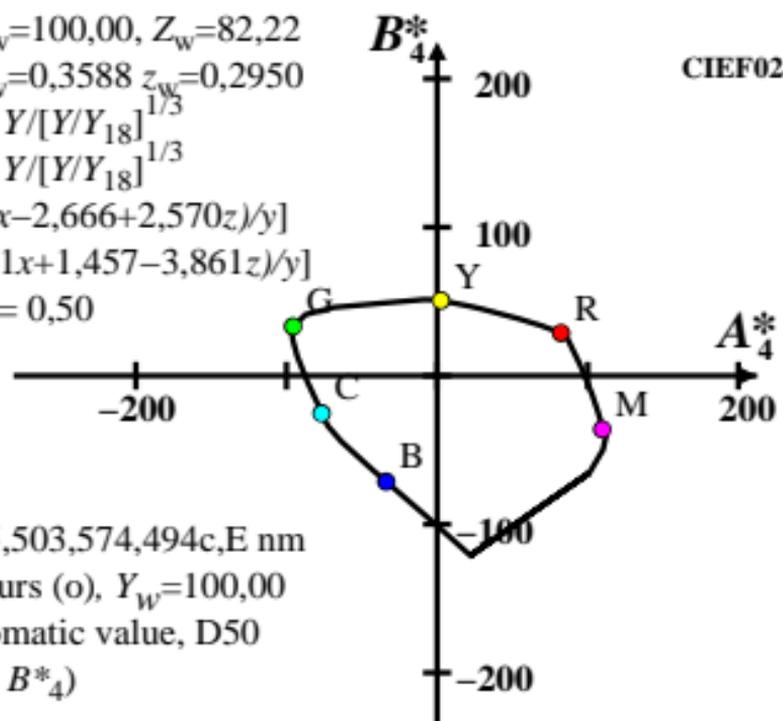
$$b_4=n_b[(-1,871x+1,457-3,861z)/y]$$

$$n_a = 1,40, \quad n_b = 0,50$$

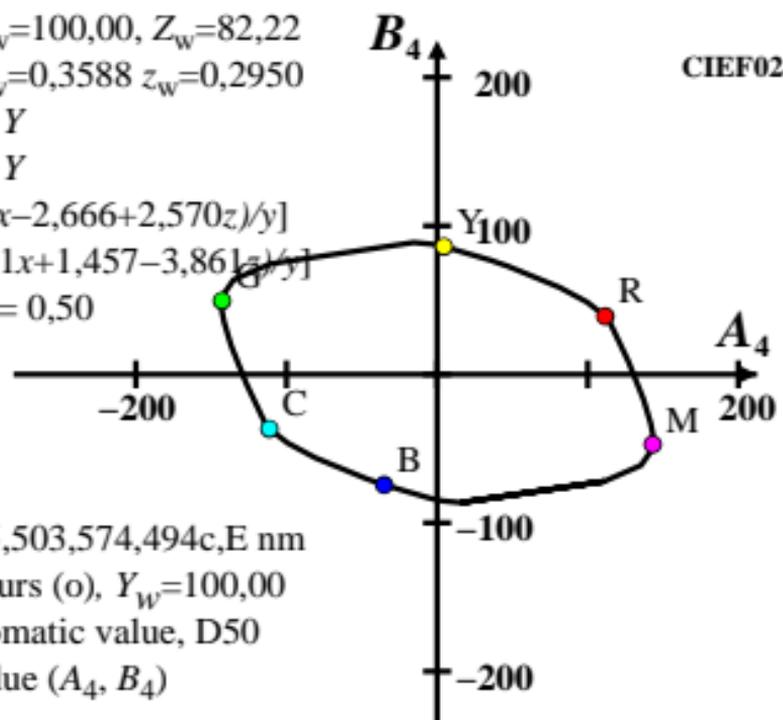
$$n = D50$$



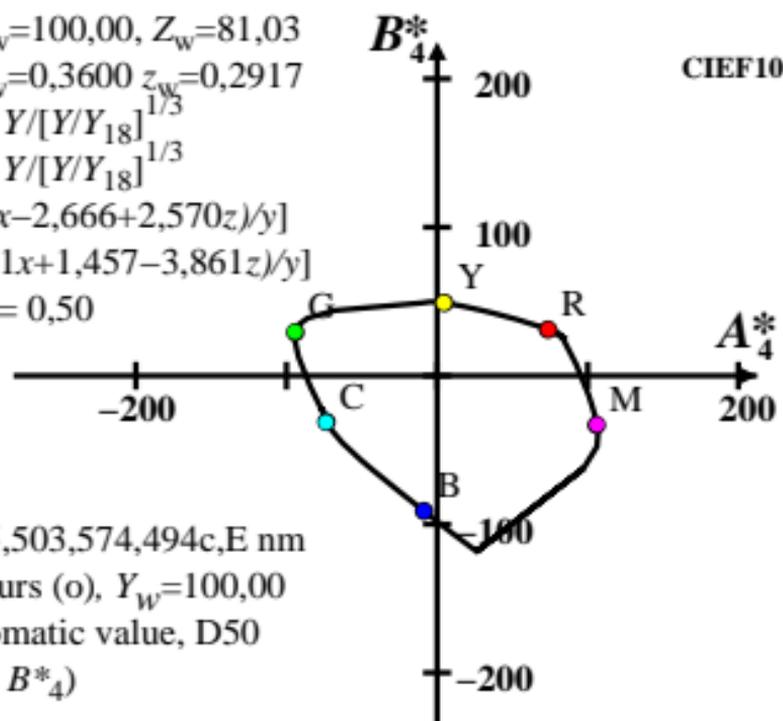
$X_w=96,46$ ,  $Y_w=100,00$ ,  $Z_w=82,22$   
 $x_w=0,3461$   $y_w=0,3588$   $z_w=0,2950$   
 $A_4=(a_4-a_{4,u}) Y/[Y/Y_{18}]^{1/3}$   
 $B_4=(b_4-b_{4,u}) Y/[Y/Y_{18}]^{1/3}$   
 $a_4=n_a[(5,645x-2,666+2,570z)/y]$   
 $b_4=n_b[(-1,871x+1,457-3,861z)/y]$   
 $n_a = 1,40$ ,  $n_b = 0,50$   
 $n = D50$



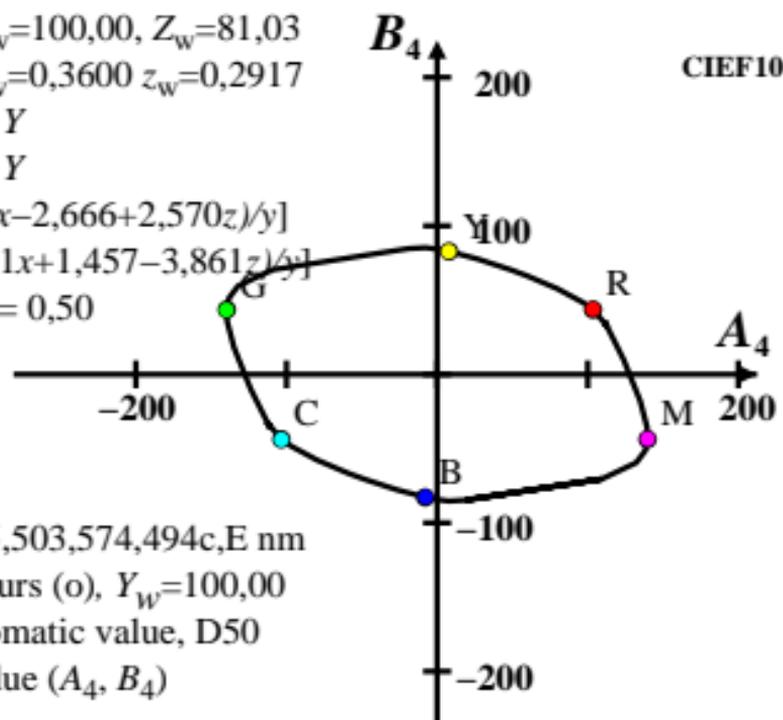
$X_w=96,46$ ,  $Y_w=100,00$ ,  $Z_w=82,22$   
 $x_w=0,3461$   $y_w=0,3588$   $z_w=0,2950$   
 $A_4=(a_4-a_{4,u}) Y$   
 $B_4=(b_4-b_{4,u}) Y$   
 $a_4=n_a[(5,645x-2,666+2,570z)/y]$   
 $b_4=n_b[(-1,871x+1,457-3,861z)/y]$   
 $n_a = 1,40$ ,  $n_b = 0,50$   
 $n = D50$



$X_w=96,74, Y_w=100,00, Z_w=81,03$   
 $x_w=0,3482 y_w=0,3600 z_w=0,2917$   
 $A_4=(a_4-a_{4,u}) Y/[Y/Y_{18}]^{1/3}$   
 $B_4=(b_4-b_{4,u}) Y/[Y/Y_{18}]^{1/3}$   
 $a_4=n_a[(5,645x-2,666+2,570z)/y]$   
 $b_4=n_b[(-1,871x+1,457-3,861z)/y]$   
 $n_a = 1,40, n_b = 0,50$   
 $n = D50$



$X_w=96,74, Y_w=100,00, Z_w=81,03$   
 $x_w=0,3482 y_w=0,3600 z_w=0,2917$   
 $A_4=(a_4-a_{4,u}) Y$   
 $B_4=(b_4-b_{4,u}) Y$   
 $a_4=n_a[(5,645x-2,666+2,570z)/y]$   
 $b_4=n_b[(-1,871x+1,457-3,861z)/y]$   
 $n_a = 1,40, n_b = 0,50$   
 $n = D50$



$X_w=94,03, Y_w=100,00, Z_w=80,83$

$x_w=0,3420 y_w=0,3638 z_w=0,2941$

$A_4=(a_4-a_{4,u}) Y/[Y/Y_{18}]^{1/3}$

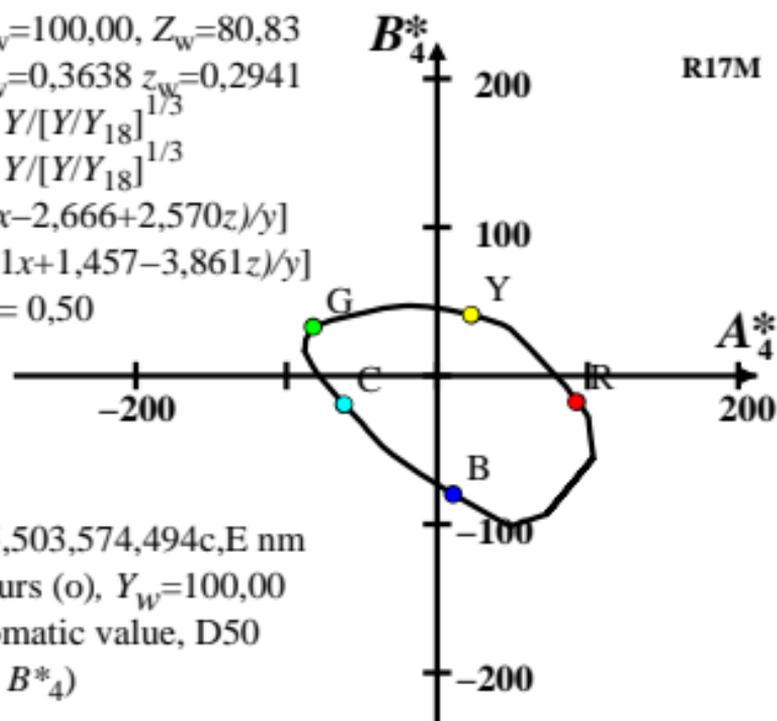
$B_4=(b_4-b_{4,u}) Y/[Y/Y_{18}]^{1/3}$

$a_4=n_a[(5,645x-2,666+2,570z)/y]$

$b_4=n_b[(-1,871x+1,457-3,861z)/y]$

$n_a = 1,40, n_b = 0,50$

$n = D50$



$X_w=94,03, Y_w=100,00, Z_w=80,83$

$x_w=0,3420 y_w=0,3638 z_w=0,2941$

$A_4=(a_4-a_{4,u}) Y$

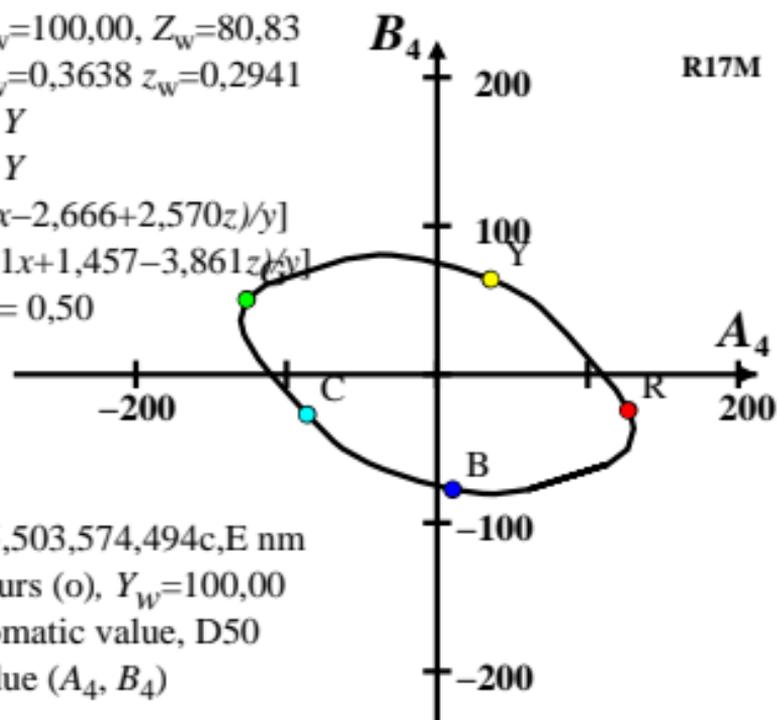
$B_4=(b_4-b_{4,u}) Y$

$a_4=n_a[(5,645x-2,666+2,570z)/y]$

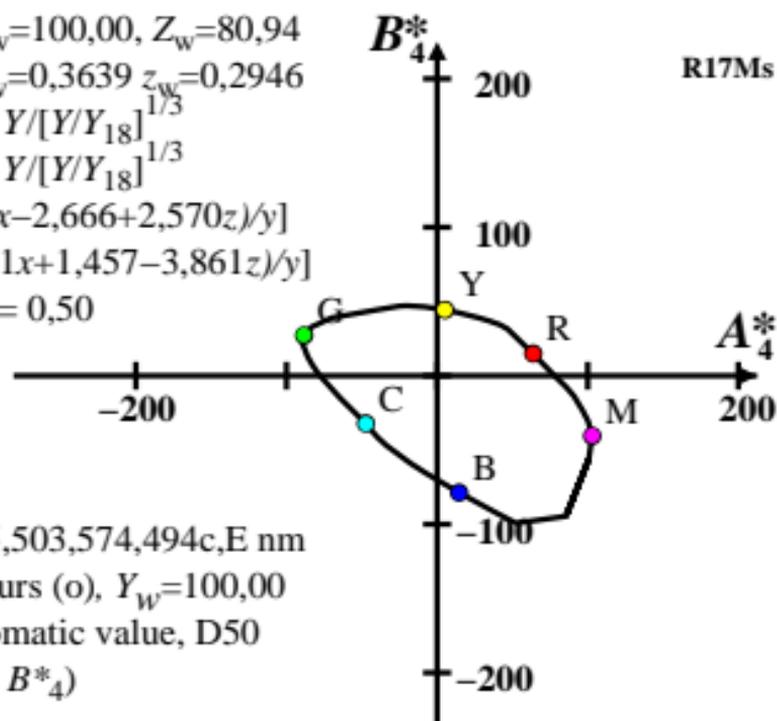
$b_4=n_b[(-1,871x+1,457-3,861z)/y]$

$n_a = 1,40, n_b = 0,50$

$n = D50$



$X_w=93,78, Y_w=100,00, Z_w=80,94$   
 $x_w=0,3413 \quad y_w=0,3639 \quad z_w=0,2946$   
 $A_4=(a_4-a_{4,u}) Y/[Y/Y_{18}]^{1/3}$   
 $B_4=(b_4-b_{4,u}) Y/[Y/Y_{18}]^{1/3}$   
 $a_4=n_a[(5,645x-2,666+2,570z)/y]$   
 $b_4=n_b[(-1,871x+1,457-3,861z)/y]$   
 $n_a = 1,40, n_b = 0,50$   
 $n = D50$



$X_w=93,78, Y_w=100,00, Z_w=80,94$   
 $x_w=0,3413 \quad y_w=0,3639 \quad z_w=0,2946$   
 $A_4=(a_4-a_{4,u}) Y$   
 $B_4=(b_4-b_{4,u}) Y$   
 $a_4=n_a[(5,645x-2,666+2,570z)/y]$   
 $b_4=n_b[(-1,871x+1,457-3,861z)/y]$   
 $n_a = 1,40, n_b = 0,50$   
 $n = D50$

