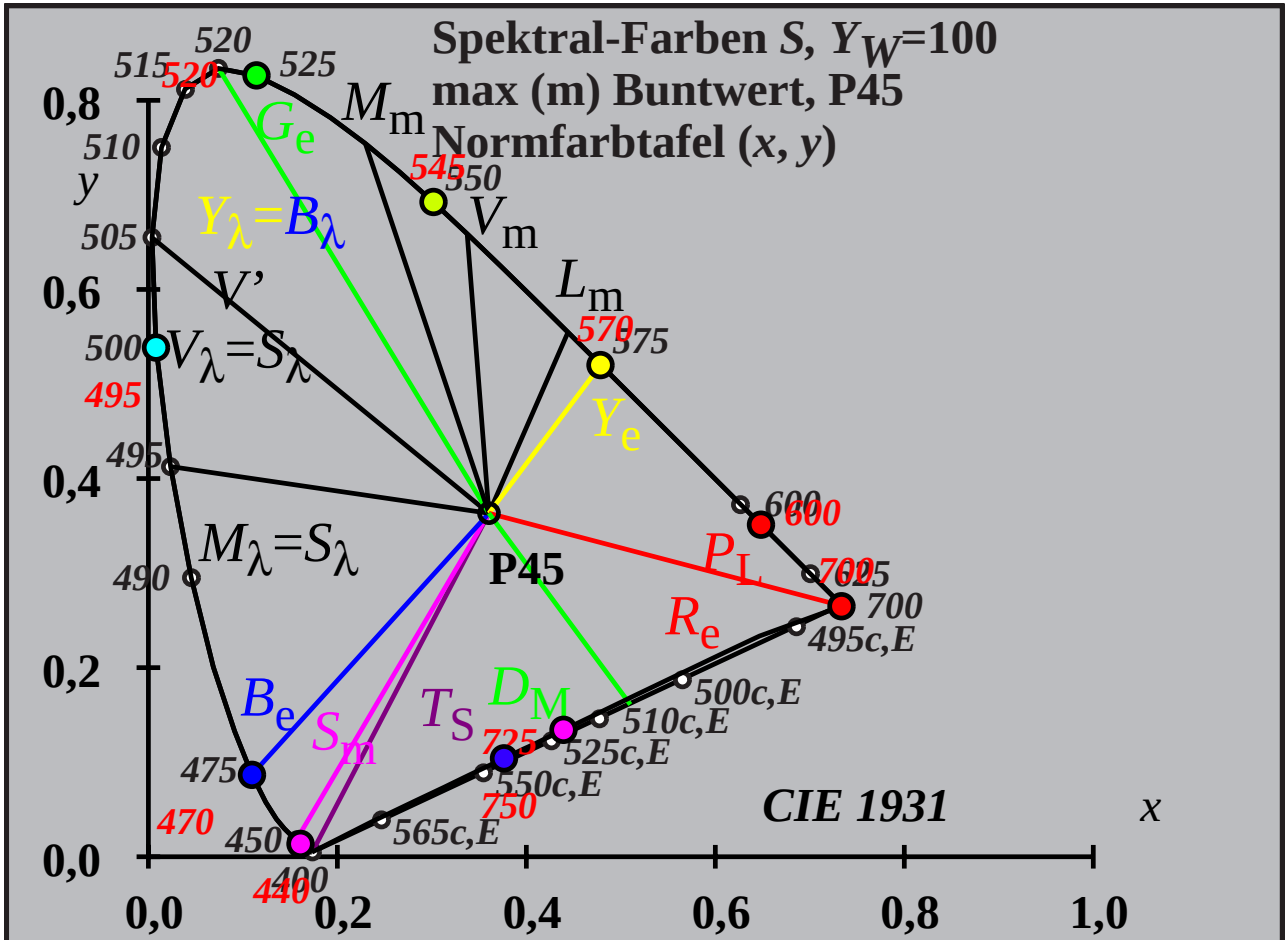

Spektral-Farben S, $Y_W$=100
max (m) Buntwert, P45
Normfarbtafel (x, y)
520
515
520
525
0,8
510
y
505
0,6
500
495
495
0,4
490
0,2
475
470
450
440
400
0,0
$G_e$
$M_m$
545
550
$V_m$
$Y_\lambda=B_\lambda$
$L_m$
V'
570
575
$V_\lambda=S_\lambda$
$Y_e$
600
600
$P_L$
$M_\lambda=S_\lambda$
P45
700
705
700
$R_e$
495c,E
500c,E
$B_e$
$D_M$
$T_S$
$S_m$
725
510c,E
525c,E
550c,E
750
565c,E
CIE 1931
x
0,0
0,2
0,4
0,6
0,8
1,0

DG331−1A_1

$X_w$=99,20, $Y_w$=100,00, $Z_w$=76,07

$x_w$=0,3603 $y_w$=0,3632

$A_0=(a_0-[a_{0,n}+a_{0,Y}+a_{0,A}])\ Y$

$B_0=(b_0-[b_{0,n}+b_{0,Y}+b_{0,A}])\ Y$

$a_0 = a_{20}\ [x/y]$

$b_0 = b_{20}\ [z/y]$

$a_{20} = 1,\ \ b_{20} = -0{,}4$

$n$ = P45

$a_{0,Y}=a_{2Y}(Y/Y_{18}-1)$

$b_{0,Y}=b_{2Y}(Y/Y_{18}-1)$

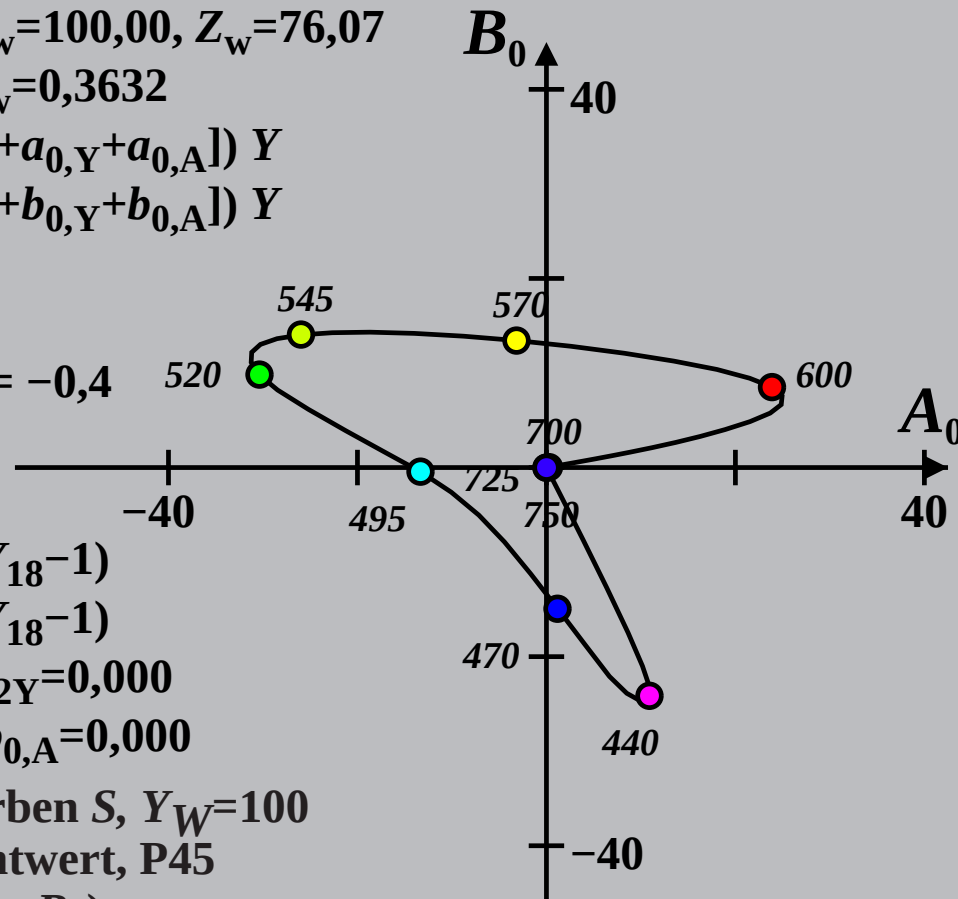
$a_{2Y}$=0,000, $b_{2Y}$=0,000

$a_{0,A}$=0,000, $b_{0,A}$=0,000

Spektral-Farben $S$, $Y_W$=100

max (m) Buntwert, P45

Buntwert ($A_0$, $B_0$)




DG331−2A_1

$X_w$=99,20, $Y_w$=100,00, $Z_w$=76,07

$x_w$=0,3603 $y_w$=0,3632

$A_1=(a_1-[a_{1,n}+a_{1,Y}+a_{1,A}])\ Y$

$B_1=(b_1-[b_{1,n}+b_{1,Y}+b_{1,A}])\ Y$

$a_1 = a_{20}\ [(x-0{,}171)/y]$

$b_1 = b_{20}\ [z/y]$

$a_{20} = 1,\ \ b_{20} = -0{,}4$

$m_{T1}$=1,000, $b_{T1}$=0,171

$n$ = P45

$a_{1,Y}=a_{2Y}(Y/Y_{18}-1)$

$b_{1,Y}=b_{2Y}(Y/Y_{18}-1)$

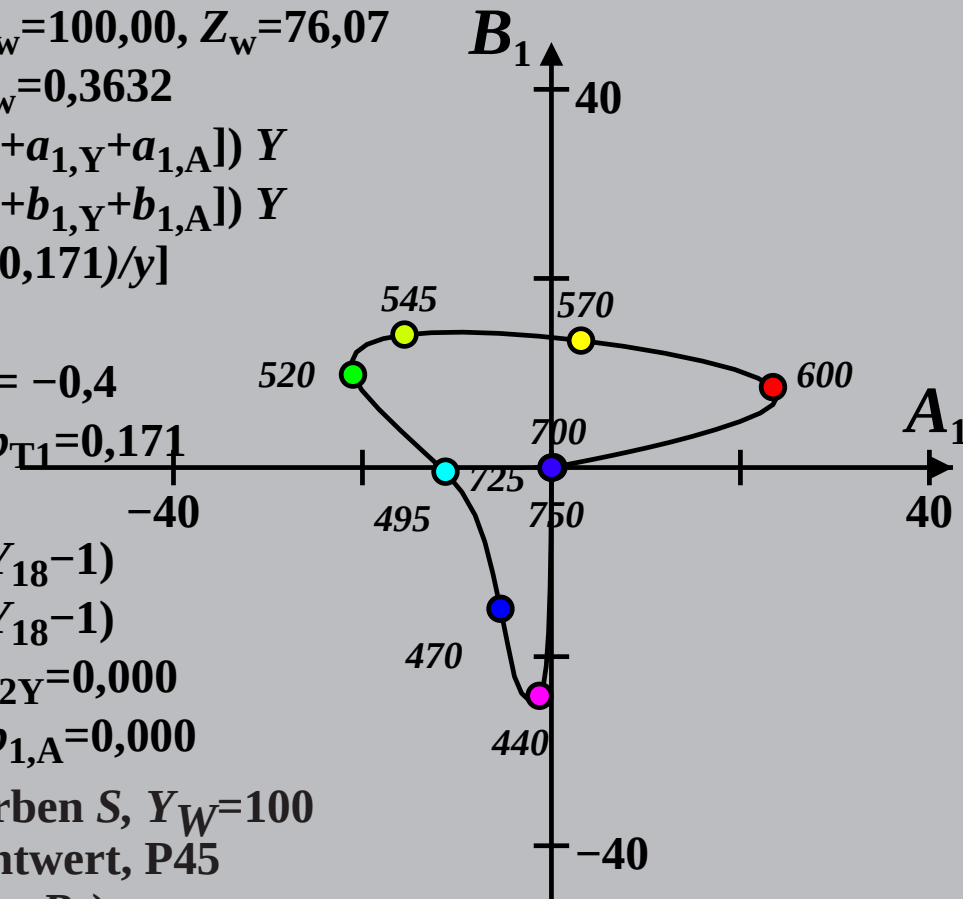
$a_{2Y}$=0,000, $b_{2Y}$=0,000

$a_{1,A}$=0,000, $b_{1,A}$=0,000

Spektral-Farben $S$, $Y_W$=100

max (m) Buntwert, P45

Buntwert ($A_1$, $B_1$)




DG331−3A_1

$X_w$=99,20, $Y_w$=100,00, $Z_w$=76,07

$x_w$=0,3603 $y_w$=0,3632

$A_2=(a_2-[a_{2,n}+a_{2,Y}+a_{2,A}])\ Y$

$B_2=(b_2-[b_{2,n}+b_{2,Y}+b_{2,A}])\ Y$

$a_2 = a_{20}\ [(x-0{,}171)/y]$

$b_2=b_{20}\ [(m_{P1}x+b_{P1})/y]$

$a_{20} = 1,\ \ b_{20} = -0{,}4$

$m_{P1}=-0{,}169,\ b_{P1}=0{,}389$

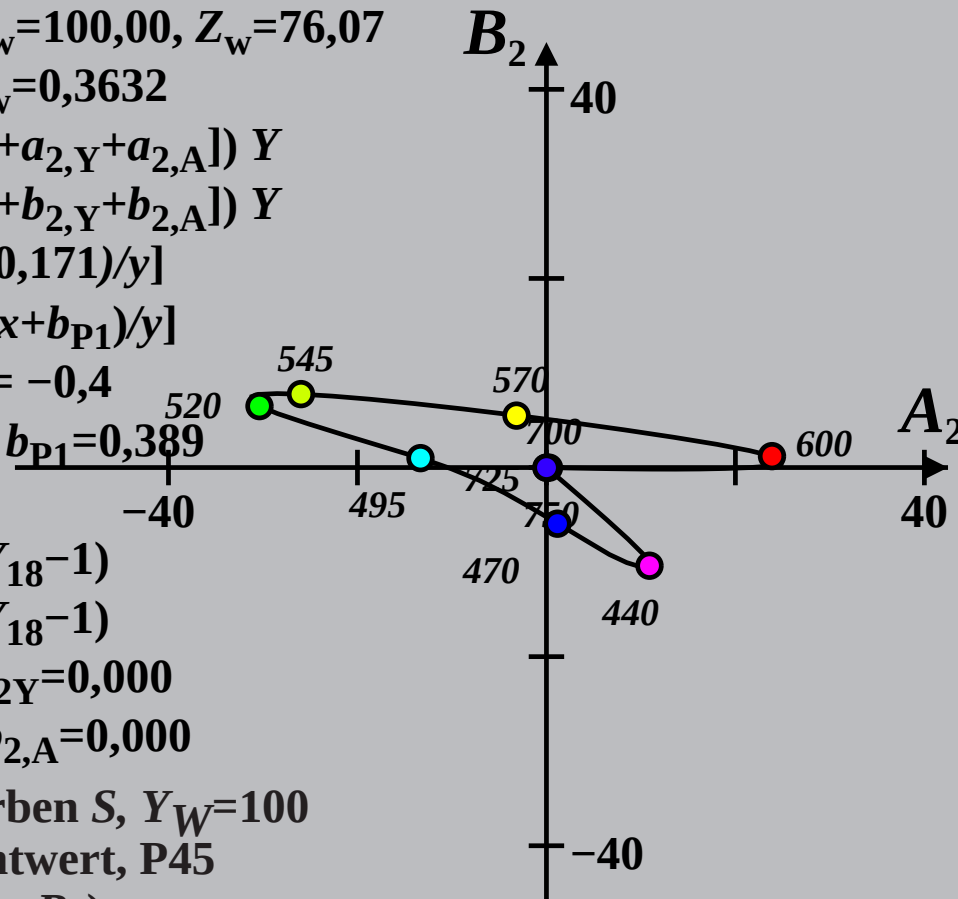
$n$ = P45

$a_{2,Y}=a_{2Y}(Y/Y_{18}-1)$

$b_{2,Y}=b_{2Y}(Y/Y_{18}-1)$

$a_{2Y}=0{,}000,\ b_{2Y}=0{,}000$

$a_{2,A}=0{,}000,\ b_{2,A}=0{,}000$




**Spektral-Farben $S$, $Y_W$=100**
**max (m) Buntwert, P45**
**Buntwert ($A_2$, $B_2$)**

DG331−4A_1

$X_w$=99,20, $Y_w$=100,00, $Z_w$=76,07

$x_w$=0,3603 $y_w$=0,3632

$A_3=(a_3-[a_{3,n}+a_{3,Y}+a_{3,A}])\ Y$

$B_3=(b_3-[b_{3,n}+b_{3,Y}+b_{3,A}])\ Y$

$a_3 = a_{20}\ [(x-0{,}171)/y]$

$b_3=b_{20}\ [(m_{D1}x+b_{D1})/y]$

$a_{20} = 1,\ \ b_{20} = -0{,}4$

$m_{D1}=-0{,}974,\ b_{D1}=0{,}658$

$n$ = P45

$a_{3,Y}=a_{2Y}(Y/Y_{18}-1)$

$b_{3,Y}=b_{2Y}(Y/Y_{18}-1)$

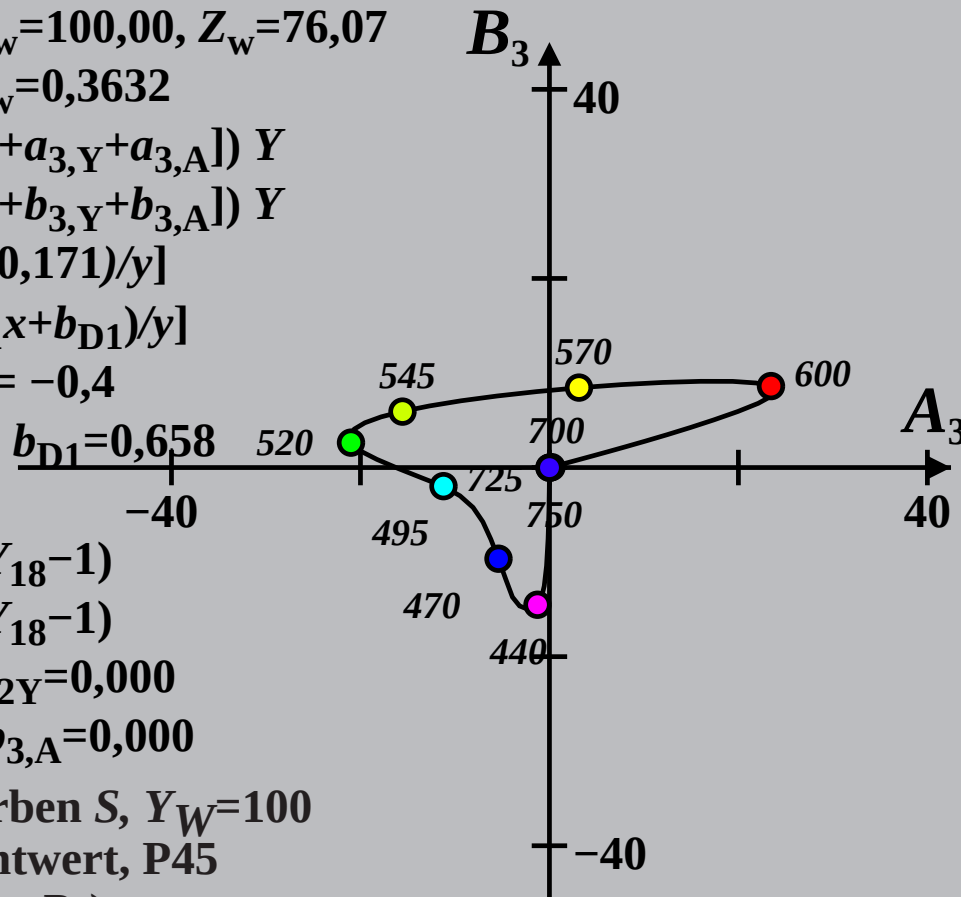
$a_{2Y}=0{,}000,\ b_{2Y}=0{,}000$

$a_{3,A}=0{,}000,\ b_{3,A}=0{,}000$

Spektral-Farben $S$, $Y_W$=100

max (m) Buntwert, P45

Buntwert ($A_3$, $B_3$)




DG331−5A_1

$X_w$=99,20, $Y_w$=100,00, $Z_w$=76,07

$x_w$=0,3603 $y_w$=0,3632

$A_4=(a_4-[a_{4,n}+a_{4,Y}+a_{4,A}])\ Y$

$B_4=(b_4-[b_{4,n}+b_{4,Y}+b_{4,A}])\ Y$

$a_4 = a_{20}\ [(x-0{,}171)/y]$

$b_4=b_{20}\ [(m_{P1}x+b_{P1})/y]$

$a_{20} = 1,\ \ b_{20} = -0{,}4$

$m_{P1}=-0{,}169,\ b_{P1}=0{,}389$

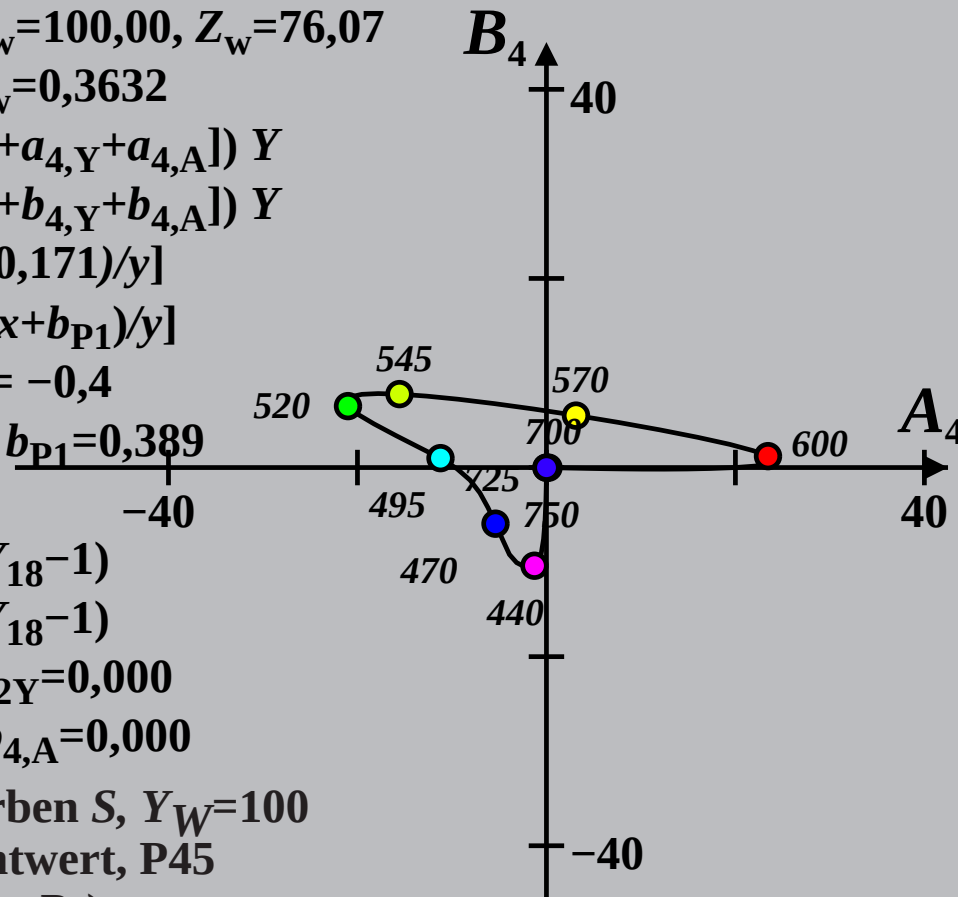
$n$ = P45

$a_{4,Y}=a_{2Y}(Y/Y_{18}-1)$

$b_{4,Y}=b_{2Y}(Y/Y_{18}-1)$

$a_{2Y}=0{,}000,\ b_{2Y}=0{,}000$

$a_{4,A}=0{,}000,\ b_{4,A}=0{,}000$




Spektral-Farben $S$, $Y_W$=100

max (m) Buntwert, P45

Buntwert ($A_4$, $B_4$)

DG331−6A_1

$X_w$=99,20, $Y_w$=100,00, $Z_w$=76,07

$x_w$=0,3603 $y_w$=0,3632

$A_5=(a_5-[a_{5,n}+a_{5,Y}+a_{5,A}])\ Y$

$B_5=(b_5-[b_{5,n}+b_{5,Y}+b_{5,A}])\ Y$

$a_5=a_{2x}[(+8{,}61x-7{,}19y-0{,}26)/y]$

$b_5=b_{2x}[(+1{,}99x+3{,}86y-2{,}40)/y]$

$a_{2x}$ = 0,10, $b_{2x}$ = 0,10

$\lambda_{B,G,Y,R}$=475,503,574,494c,E nm

$n$ = P45

$a_{5,Y}=a_{2Y}(Y/Y_{18}-1)$

$b_{5,Y}=b_{2Y}(Y/Y_{18}-1)$

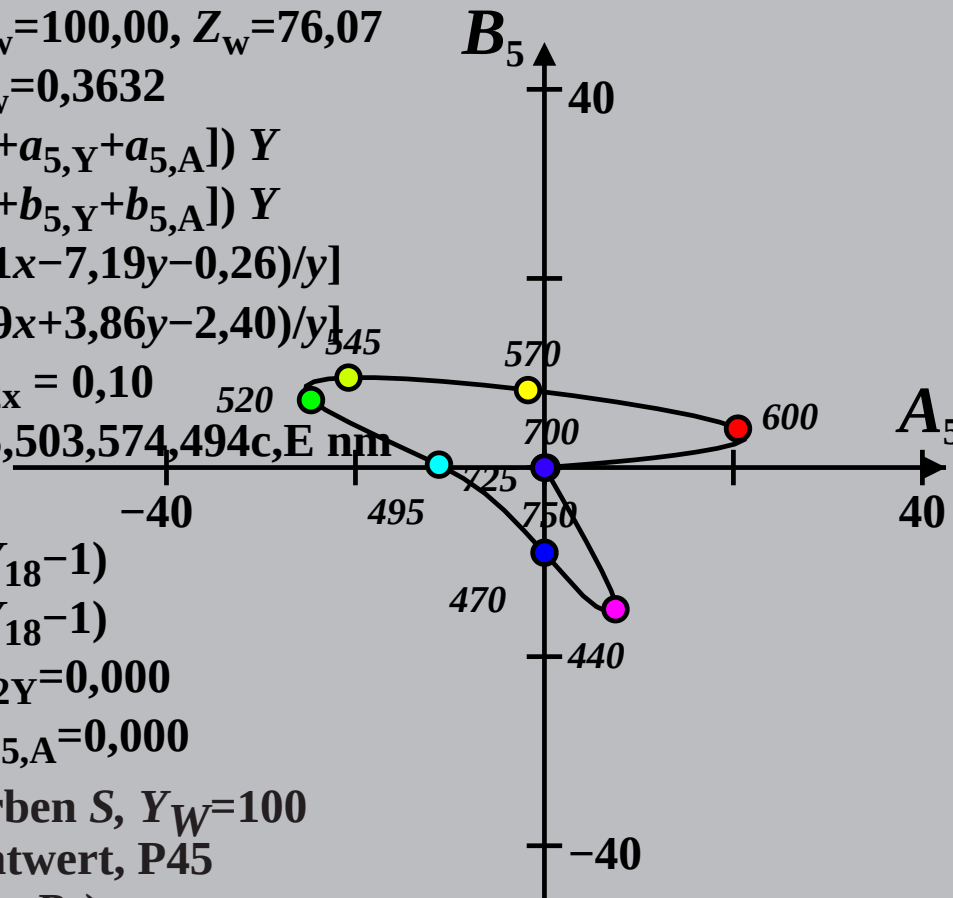
$a_{2Y}$=0,000, $b_{2Y}$=0,000

$a_{5,A}$=0,000, $b_{5,A}$=0,000

Spektral-Farben $S$, $Y_W$=100

max (m) Buntwert, P45

Buntwert ($A_5$, $B_5$)




DG331−7A_1

$X_w$=99,20, $Y_w$=100,00, $Z_w$=76,07

$x_w$=0,3603 $y_w$=0,3632

$A_6=(a_6-[a_{6,n}+a_{6,Y}+a_{6,A}])\ Y$

$B_6=(b_6-[b_{6,n}+b_{6,Y}+b_{6,A}])\ Y$

$a_6 = a_{20}\ [x/y]$

$b_6=b_{20}\ [(m_{D1}x+b_{D1})/y]$

$a_{20} = 1,\ \ b_{20} = -0,4$

$m_{D1}=-0,974,\ b_{D1}=0,658$

$n$ = P45

$a_{6,Y}=a_{2Y}(Y/Y_{18}-1)$

$b_{6,Y}=b_{2Y}(Y/Y_{18}-1)$

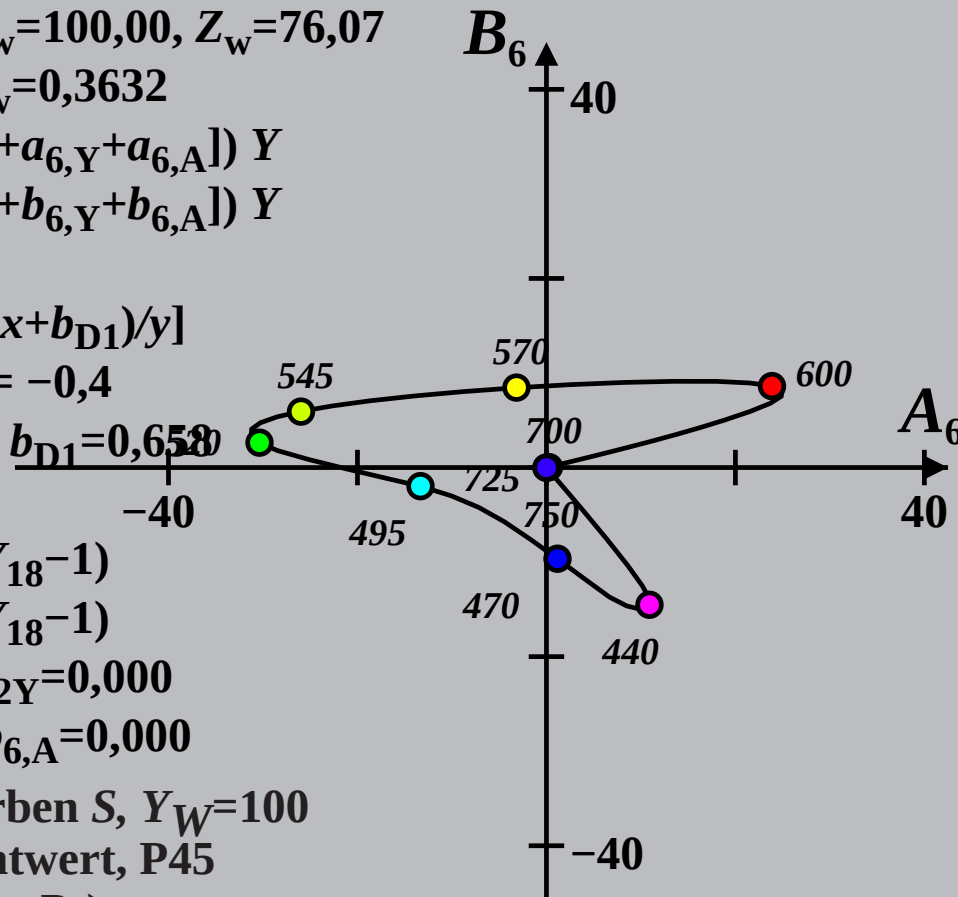
$a_{2Y}=0,000,\ b_{2Y}=0,000$

$a_{6,A}=0,000,\ b_{6,A}=0,000$

Spektral-Farben $S$, $Y_W$=100

max (m) Buntwert, P45

Buntwert ($A_6$, $B_6$)




DG331−8A_1