

http://130.149.60.45/~farbmatrik/NE34/NE34LON1.TXT /PS; start output
 Ne: No Output Linearization (OL) data in File (F), Startup (S) or Device (D)

PSL1-program code: color image and separations with 4 basic colors CMYK

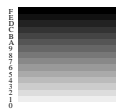
```

%!PS-Adobe-3.0 d2:[rr.psf]B7251-7n.eps/B9481-8N.eps 12.2.96
%%BoundingBox: 72 90 226 204
/Times-Roman findfont dup length dict begin
{1 index /FID ne (def) {pop pop} ifelse forall
/Encoding ISOLatin1Encoding def currentdict end
/Times-ISOL1 exch definetone pop
/FS {findfont exch scalefont setfont} bind def
/MM {72 25.4 div mul} def /str {8 string} bind def
%%EndProlog

72 90 translate 0.01 MM 0.01 MM scale
/ausz 4 def %color separation 0=C, 1=M, 2=Y, 3=N, 4=F
/recfi {/height exch def /width exch def /ys exch def /xs exch def
xs ys moveto width 0 rlineto
0 height rlineto width neg 0 rlineto closepath
ausz 0 eq {pop pop pop 1 exch sub setgray} %C
060 135 {pop} setscreen fill } if
ausz 1 eq {pop pop 1 exch sub setgray pop} %M
060 090 {pop} setscreen fill } if
ausz 2 eq {pop 1 exch sub setgray pop pop} %Y
060 000 {pop} setscreen fill } if
ausz 3 eq {1 exch sub setgray pop pop pop} %N
060 045 {pop} setscreen fill } if
ausz 4 eq {setcmyk_olvcolor
060 135 {pop} 060 090 {pop} 060 000 {pop} %F
060 045 {pop} setcolorscreen fill } if bind def
ausz 3 ge {0.0 0.0 0.0 0.5 0 0 5400 4000 recfi}
{0.0 setgray 0 0 moveto 5400 0 rlineto 0 4000
rlineto -5400 0 rlineto closepath stroke} ifelse
ausz 3 ge {1.0 setgray 300 /Times-ISOL1 FS 100 3600 moveto
(basic colors, mixed colors, area coverage) show } if
/xyw {4000 12 div} bind def /xw {5 xyw mul} bind def
/x01 {5 xyw mul} bind def /y0 {1.2 xyw mul} bind def
/x02 {10 xyw mul} bind def
/colors1 %CMYK color rows from bottom to top
[[1.0 0.0 0.0 0.0] [0.0 1.0 0.0 0.0] [0.0 0.0 1.0 0.0]
[0.0 1.0 1.0 0.0] [1.0 0.0 1.0 0.0] [1.0 1.0 0.0 0.0]
[1.0 1.0 1.0 0.0] [0.0 0.0 0.0 0.0] [0.0 0.0 0.0 1.0]] bind def
/colors2
[[0.0 0.0 0.0 0.0] [0.0 0.5 0.0 0.0] [0.0 0.0 0.5 0.0]
[0.0 0.5 0.5 0.0] [0.0 0.0 0.5 0.0] [0.0 0.5 0.0 0.0]
[0.5 0.5 0.5 0.0] [0.0 0.0 0.0 0.0] [0.0 0.0 0.0 0.5]] bind def
0 1 8 {/i exch def colors1 i get exec
x01 i xyw mul y0 add xw xyw recfi} for
0 1 8 {/i exch def colors2 i get exec
x02 i xyw mul y0 add xw xyw recfi} for
ausz 3 ge {1.0 setgray 300 /Times-ISOL1 FS
/N8 (C M Y O=M+Y L=C+Y V=C+M C=M+Y W N ) def
0 1 8 {/nr exch def nr xyw mul y0 add x01 1300 sub exch
moveto 40 0 N8 nr 6 mul 6 getinterval ashow} for 300 /Times-Roman FS
x01 400 add y0 300 sub moveto (100) show 30 0 rmoveto (t) show
x02 600 add y0 300 sub moveto (70) show 30 0 rmoveto (t) show} if
ehowpage

```

NE340-1, BR_27



%%HalftoneType 3/Width 24/Height 24/Thresholds
 % in middle 7 x 5 "10", 13 x 5 "20", 24 x 5 "30", etc.
 % >> sethalftone: without raster cell threshold data using "N"

NE341-1, BR_24,1

PC-operating systems for Intel 486 product name and graphic software

manufact.	NeXT	Microsoft	IBM
product name	NeXT-step V.3.3	Windows NT V.3.1	OS/2 V.2.1
scope	300 MByte	100 MByte	40 MByte
storages	16 MByte	12 MByte	8 MByte
graphic software	Display-PostScript	Graphic G.I.(GDI)	Presentat. M.(PM)

NE341-3, BR_30,1

colorness and value in CIEBasedABC

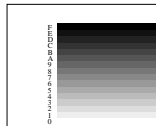
-color ABC	value ABC	color space eg. device coordinates
Lab*	XYZ	CIE 1931 XYZ linear color measure CIEAB 1976 L*a*b* CIEAB measurement
OLV*	OLV RGB	linear color space OLV linear scanner, image setter
RGB*		Btx-color space OLV* nonlinear space RGB* quadrat./logarithm. scanner

NE341-5, BR_31,1

CIEBasedABC-color space in PSL2 color rendering XYZ_{aim} - XYZ_{real}

PSL2-program	Software	output	measure
X _{aim}	L	→ L*	→ L
Y _{aim}	M	→ M*	→ M
Z _{aim}	N	→ N*	→ N
matrix1	decode1	decode2	matrix2
3 x 3	[0.5 exp]	[2.0 exp]	3 x 3

NE341-7, BR_32,1



%%HalftoneType 3/Width 24/Height 24/Thresholds
 % in middle 7 x 5 "10", 13 x 5 "20", 24 x 5 "30", etc.
 % >> sethalftone: without raster cell threshold data using "N"

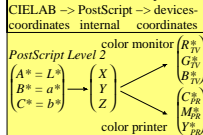
NE341-2, BR_28,2

manufacturer, hardware, operating system and Adobe-PostScript

manu-facturer	Hardware	operating system	Post-Script
Digital	VAX, AXP	OSF/1	Level 2
IBM	RISC 6000	AIX	Level 2
Sun	SPARC	Solaris	Level 2
Adobe	SPARC	X-Window	Level 2
NeXT	Intel, Motorola	Mach	Level 2

NE341-4, BR_29,2

CIEBasedABC-device independent CIELAB → PostScript → devices-coordinates internal coordinates



NE341-6, BR_31,2

TUB-test chart NE34; Richter: Computer graphics, colorimetry
 Colour book series: PostScript and CIE colour spaces no. 8

input: rgb setrgbcolor
 output: no colour data change

TUB registration: 0101101-NE34/NE34LON1.TXT /PS
 application for measurement of printer or monitor systems

TUB material: code=rha4a