

<http://farbe.li.tu-berlin.de/gem0/gem010np.pdf> / .ps; only vector graphic VG; start output
 see separate images of this page: <http://farbe.li.tu-berlin.de/gem0/gem0.htm>

see similar files of the whole serie: <http://farbe.li.tu-berlin.de/gems.htm>
 technical information: <http://farbe.li.tu-berlin.de> or <http://color.li.tu-berlin.de>

TUB registration: 202240701-gem0/gem010np.pdf / .ps
 application for evaluation and measurement of display or print output
 TUB material: code=rh4tra

```

%*****
%BEG Frame File Linearization Method (FF_LM)
%Combined transfers: setgray, setrgbcolor, setcmykcolor
% and settransfer, setcolortransfer

/FF_LM_setgrayF0 {setgray} bind def
/FF_LM_setrgbcolorF0 {setrgbcolor} bind def
/FF_LM_setcmykcolorF0 {setcmykcolor} bind def
/FF_LM_transferF0 {settransfer} bind def
/FF_LM_colortransferF0 {setcolortransfer} bind def
/gammaFi 21 array def
/gammaFi %rel. gamma according to ISO 9241-306:2018
[0.475 1/9 2/10 3/11 4/12 5/13 6/14 7/15
0.475 0.550 0.625 0.700 0.775 0.849 0.924 1.000
1.000 1.081 1.176 1.290 1.428 1.600 1.818 2.105
%additional gammaFi 16 17 18 19 20
2.000 0.500 1.600 0.666 1.000] def

/FF_LM_xchart_gammaF {/xchart where {pop gammaFi xchart get exp} def

/FF_LM_setrgbcolorF {%FF_LM_setrgbcolorF
/FF_LM_b0L exch def /FF_LM_g0L exch def
/FF_LM_r0L exch def
FF_LM_r0L 0 le {/FF_LM_r0L 0.0001 def} if
FF_LM_g0L 0 le {/FF_LM_g0L 0.0001 def} if
FF_LM_b0L 0 le {/FF_LM_b0L 0.0001 def} if
/FF_LM_r1F FF_LM_r0L FF_LM_xchart_gammaF def
/FF_LM_g1F FF_LM_g0L FF_LM_xchart_gammaF def
/FF_LM_b1F FF_LM_b0L FF_LM_xchart_gammaF def
FF_LM_r1F FF_LM_g1F FF_LM_b1F
FF_LM_setrgbcolorF0
} def %FF_LM_setrgbcolorF

/FF_LM_transferF {{FF_LM_xchart_gammaF} FF_LM_transferF0} def

/FF_LM_colortransferF {{FF_LM_xchart_gammaF} {FF_LM_xchart_gammaF}
{FF_LM_xchart_gammaF} FF_LM_colortransferF0} def

%END Frame File Linearization Method (FF_LM)
%*****
    
```

This is an example EPS code for EPS images, compare
<http://color.li.tu-berlin.de/gem1/gem1fp0.txt>
<http://color.li.tu-berlin.de/gem1/gem1fp0.pdf>
 External values of the Frame File (FF):
 xchart=0, 1, ..., 8
 for the range 0,5 <= gammaF >=2
 20 example Gamma values:

gem00-3n

```

%*****
%BEG Frame File Linearization Method (FF_LM)
%Combined transfers: setgray, setrgbcolor, setcmykcolor
% and settransfer, setcolortransfer

/FF_LM_setgrayF0 {setgray} bind def
/FF_LM_setrgbcolorF0 {setrgbcolor} bind def
/FF_LM_setcmykcolorF0 {setcmykcolor} bind def
/FF_LM_transferF0 {settransfer} bind def
/FF_LM_colortransferF0 {setcolortransfer} bind def
/FF_LM_xchart_gammaF {/xchart where {pop /xchartN xchart 8 idiv def
/xchartP xchart
xchart 8 idiv 8 mul sub def}
{/xchartN 2.0 def %default
/xchartP 0.5 def} ifelse
/gammaF 2.4 xchartP 0.18 mul sub 2.4 div
1 2.4 xchartN 0.18 mul sub 2.4 div div mul def
gammaF exp gammaR mul
} def

/FF_LM_setrgbcolorF {%FF_LM_setrgbcolorF
/FF_LM_b0L exch def /FF_LM_g0L exch def
/FF_LM_r0L exch def
FF_LM_r0L 0 le {/FF_LM_r0L 0.0001 def} if
FF_LM_g0L 0 le {/FF_LM_g0L 0.0001 def} if
FF_LM_b0L 0 le {/FF_LM_b0L 0.0001 def} if
/FF_LM_r1F FF_LM_r0L FF_LM_xchart_gammaF def
/FF_LM_g1F FF_LM_g0L FF_LM_xchart_gammaF def
/FF_LM_b1F FF_LM_b0L FF_LM_xchart_gammaF def
FF_LM_r1F FF_LM_g1F FF_LM_b1F
FF_LM_setrgbcolorF0
} def %FF_LM_setrgbcolorF

/FF_LM_transferF {{FF_LM_xchart_gammaF} FF_LM_transferF0} def

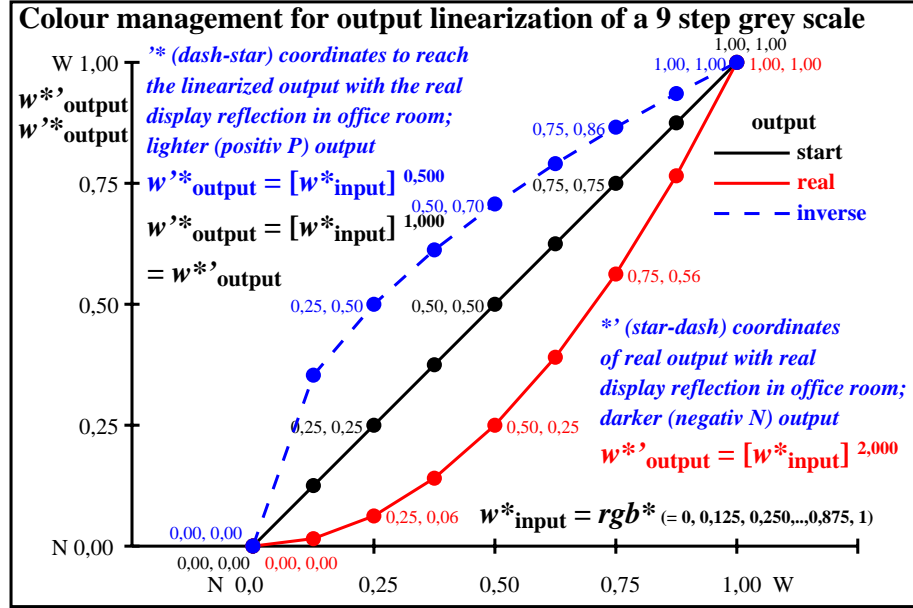
/FF_LM_colortransferF {{FF_LM_xchart_gammaF} {FF_LM_xchart_gammaF}
{FF_LM_xchart_gammaF} FF_LM_colortransferF0} def

%END Frame File Linearization Method (FF_LM)
%*****
    
```

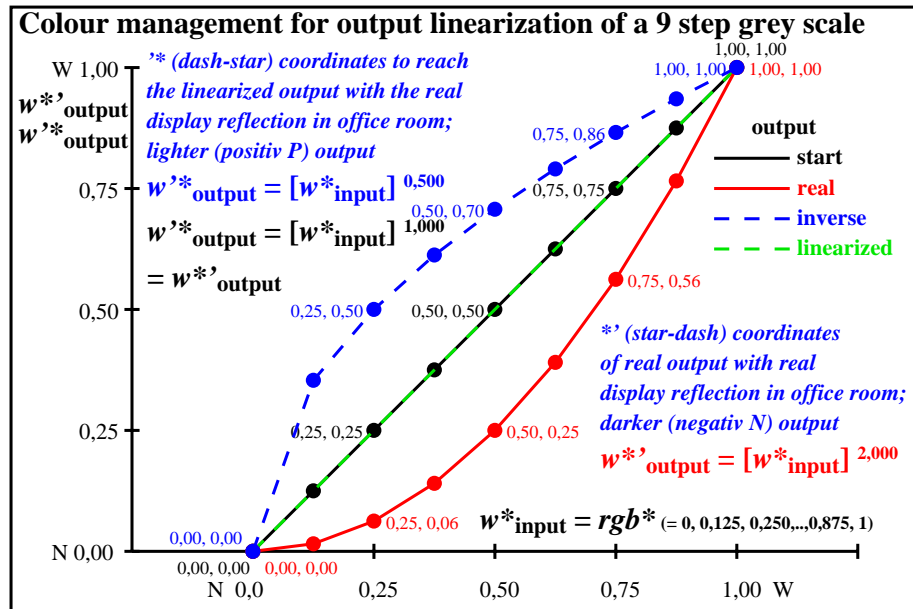
This is an example EPS code for EPS images, compare
<http://color.li.tu-berlin.de/fek9/fek9fp0.txt>
<http://color.li.tu-berlin.de/fek9/fek9fp0.pdf>
 External values of the Frame File (FF):
 xchart=0, 1, ..., 8
 for the range 0,5 <= gammaF >=2
 Example GammaR values for HDR-head room:
 gammaR=0,64 (2 stop);
 gammaR=0,8 (1 stop); 1,0 (SDR)

gem00-7n

TUB-test chart gem0; PostScript eps Code for the output steering and output linearisation
 Outputs: start (N=Black), real (R=Red), inverse (B=Blue), and linearized (G=Green)



gem01-3n



gem01-7n

