TUB registration: 20240201-geu9/geu9l0np.pdf /.ps
application for evaluation and measurement of display or print output
TUB material: code=rha4ta

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

This is an example EPS code for EPS images, see http://color.li.tu-berlin.de/fek9/fek9f1p0.txt http://color.li.tu-berlin.de/fek9/fek9f1p0.pdf

```
%*****************************************************************
%BEG special definitions of Global (G) gamma and xyreh_1024
/gammaGi 21 array def
/gammaGi %rel. gamma according to ISO 9241-306:2018
%0     1     2     3     4     5     6     7
{0.475 0.550 0.625 0.700 0.775 0.849 0.924 1.000
%8     9    10    11    12    13    14    15
 1.000 1.081 1.176 1.290 1.428 1.600 1.818 2.105
%16   17    18    19    20
 2.000 0.500 1.500 0.666 1.000} def

/indexGi 07 def                                          0 <= indexGi <= 20
/gamma gammaGi indexGi get def                           definition of gamma(indexGi).
/xreh1 1024 array def /yreh1 1024 array def
/xinh1 1024 array def /yinh1 1024 array def

%calculation of the table xyreh_1024 (h=hex) of real values (reh) with gamma
0 1 1023 {/j exch def %j=0,1023
          xreh j j                                       put
          yreh j j 1023 div gamma exp 1023 mul cvi put   Calculation of the table xyreh_1024
        } for %j=0,1023                                  for the value gamma=gammaGi(indexGi).
%END special definitions of Global (G) gamma and xyreh_1024

/1MR-0000G {%BEG 1MR-0000G special and standard definitions of Global (G) procedure
%BEG special definitions of FF_LM_G
/FF_LM_xchartg_gammaG {/yend exch def
                       /yeh yed 1023 mul cvi def
                       /xinh yreh yeh get def            Application of the table xyreh_1024
                       xinh 1023 div                     for the fast linearization method
                       } def                             of the inverse linearized output.
%END special definitions of FF_LM_G

%BEG standard definitions of FF_LM_G
/FF_LM_setgrayG0 {setgray} bind def
/FF_LM_setrgbcolorG0 {setrgbcolor} bind def              The following standard definitions of the
/FF_LM_setcmykcolorG0 {setcmykcolor} bind def            Frame File Linearization method (FF_LM)
/FF_LM_transferG0 {settransfer} bind def                 serve for both vector and pixel graphic.
/FF_LM_colortransferG0 {setcolortransfer} bind def       These definitions are equal in most files.

/setgray {%BEG procedure setgrayG
          dup dup FF_LM_setrgbcolorG                     Change setgray -> FF_LM_setrgbcolorG.
        } def %END procedure setgrayG

/setcmykcolor {%BEG procedure setcmykcolorF
 /FF_LM_kG exch def /FF_LM_yG exch def                   Change setcmykcolor -> FF_LM_setrgbcolorG.
 /FF_LM_mG exch def /FF_LM_cG exch def
 FF_LM_kG 0 eq {1 FF_LM_cG sub 1 FF_LM_mG sub
                1 FF_LM_yG sub FF_LM_setrgbcolorG}
               {1 FF_LM_kG sub dup dup
                FF_LM_setrgbcolorG} ifelse
 } def %END procedure setcmykcolorG

/setrgbcolor {%BEG procedure setrgbcolorG                Change setrgbcolor -> FF_LM_setrgbcolorG.
 /FF_LM_bG exch def /FF_LM_gG exch def
 /FF_LM_rG exch def
 FF_LM_rG FF_LM_gG FF_LM_bG
 FF_LM_setrgbcolorG
 } def %END procedure setrgbcolorG

/FF_LM_setrgbcolorG {%BEG FF_LM_setrgbcolorG
 /FF_LM_bG exch def /FF_LM_gG exch def                   Change FF_LM_setrgbcolorG -> FF_LM_setrgbcolorG0.
 /FF_LM_rG exch def
 FF_LM_rG 0 le {/FF_LM_rG 0.0001 def} if
 FF_LM_gG 0 le {/FF_LM_gG 0.0001 def} if
 FF_LM_bG 0 le {/FF_LM_bG 0.0001 def} if
 /FF_LM_r1G FF_LM_rG FF_LM_xchartg_gammaG def
 /FF_LM_g1G FF_LM_gG FF_LM_xchartg_gammaG def
 /FF_LM_b1G FF_LM_bG FF_LM_xchartg_gammaG def
 FF_LM_r1G FF_LM_g1G FF_LM_b1G
 FF_LM_setrgbcolorG0} def %END FF_LM_setrgbcolorG
%END standard definitions of FF_LM_G

/FF_LM_transferF {%BEG FF_LM_transferG
 {FF_LM_xchartg_gammaG}
 FF_LM_transferG0} def %END FF_LM_transferG               Change settransferG -> FF_LM_settransferG0.
/settransfer {FF_LM_transferG} def

/FF_LM_colortransferF {%BEG FF_LM_colortransferG
 {FF_LM_xchartg_gammaG} {FF_LM_xchartg_gammaG}
 {FF_LM_xchartg_gammaG}                                  Change setcolortransferG -> FF_LM_setcolortransferG0.
 FF_LM_colortransferG0} def
%END FF_LM_colortransferG
/setcolortransfer {FF_LM_colortransferG} def
%END standard definitions of FF_LM_G
} def %END 1MR-0000G special and standard definitions of Global (G) procedure

/iproc1MR 1 def
iproc1MR 1 eq {1MR-0000G} if
%*****************************************************************
```

geu90−3n

This is an example EPS code for EPS images, see http://color.li.tu-berlin.de/fek9/fek9f1p0.txt http://color.li.tu-berlin.de/fek9/fek9f1p0.pdf

```
%*****************************************************************
%BEG special definitions of Local (L) gamma and xyreh_1024
/gammaLi 21 array def
/gammaLi %rel. gamma according to ISO 9241-306:2018
%0     1     2     3     4     5     6     7
{0.475 0.550 0.625 0.700 0.775 0.849 0.924 1.000
%8     9    10    11    12    13    14    15
 1.000 1.081 1.176 1.290 1.428 1.600 1.818 2.105
%16   17    18    19    20
 2.000 0.500 1.500 0.666 1.000} def

/indexLi 07 def                                          0 <= indexLi <= 20
/gamma gammaLi indexLi get def                           definition of gamma(indexLi).
/xreh1 1024 array def /yreh1 1024 array def
/xinh1 1024 array def /yinh1 1024 array def

%calculation of the table xyreh_1024 (h=hex) of real values (reh) with gamma
0 1 1023 {/j exch def %j=0,1023
          xreh j j                                       put
          yreh j j 1023 div gamma exp 1023 mul cvi put   Calculation of the table xyreh_1024
        } for %j=0,1023                                  for the value gamma=gammaLi(indexLi).
%END special definitions of Local (L) gamma and xyreh_1024

/1MR-0000L {%BEG 1MR-0000L special and standard definitions of Local (L) procedure
%BEG special definitions of FF_LM_L
/FF_LM_xchartg_gammaL {/yend exch def
                       /yeh yed 1023 mul cvi def
                       /xinh yreh yeh get def            Application of the table xyreh_1024
                       xinh 1023 div                     for the fast linearization method
                       } def                             of the inverse linearized output.
%END special definitions of FF_LM_L

%BEG standard definitions of FF_LM_L
/FF_LM_setgrayL0 {setgray} bind def
/FF_LM_setrgbcolorL0 {setrgbcolor} bind def              The following standard definitions of the
/FF_LM_setcmykcolorL0 {setcmykcolor} bind def            Frame File Linearization method (FF_LM_L)
/FF_LM_transferL0 {settransfer} bind def                 serve for both vector and pixel graphic.
/FF_LM_colortransferL0 {setcolortransfer} bind def       These definitions are equal in most files.

/setgray {%BEG procedure setgrayL
          dup dup FF_LM_setrgbcolorL
        } def %END procedure setgrayL                    Change setgray -> FF_LM_setrgbcolorL.

/setcmykcolor {%BEG procedure setcmykcolorL
 /FF_LM_kL exch def /FF_LM_yL exch def
 /FF_LM_mL exch def /FF_LM_cL exch def                   Change setcmykcolor -> FF_LM_setrgbcolorL.
 FF_LM_kL 0 eq {1 FF_LM_cL sub 1 FF_LM_mL sub
                1 FF_LM_yL sub FF_LM_setrgbcolorL}
               {1 FF_LM_kL sub dup dup
                FF_LM_setrgbcolorL} ifelse
 } def %END procedure setcmykcolorL

/setrgbcolor {%BEG procedure setrgbcolorL
 /FF_LM_bL exch def /FF_LM_gL exch def
 /FF_LM_rL exch def                                      Change setrgbcolor -> FF_LM_setrgbcolorL.
 FF_LM_rL FF_LM_gL FF_LM_bL
 FF_LM_setrgbcolorL
 } def %END procedure setrgbcolorL

/FF_LM_setrgbcolorL {%BEG FF_LM_setrgbcolorL
 /FF_LM_bL exch def /FF_LM_gL exch def
 /FF_LM_rL exch def                                      Change FF_LM_setrgbcolorL -> FF_LM_setrgbcolorL0.
 FF_LM_rL 0 le {/FF_LM_rL 0.0001 def} if
 FF_LM_gL 0 le {/FF_LM_gL 0.0001 def} if
 FF_LM_bL 0 le {/FF_LM_bL 0.0001 def} if
 /FF_LM_r1F FF_LM_rL FF_LM_xchartg_gammaL def
 /FF_LM_g1F FF_LM_gL FF_LM_xchartg_gammaL def
 /FF_LM_b1F FF_LM_bL FF_LM_xchartg_gammaL def
 FF_LM_r1F FF_LM_g1F FF_LM_b1F
 FF_LM_setrgbcolorL0} def %END FF_LM_setrgbcolorL
%END standard definitions of FF_LM_L

/FF_LM_transferL {%BEG FF_LM_transferL
 {FF_LM_xchartg_gammaL}
 FF_LM_transferL0} def %END FF_LM_transferL               Change settransferL -> FF_LM_settransferL0.
/settransfer {FF_LM_transferL} def

/FF_LM_colortransferL {%BEG FF_LM_colortransferL
 {FF_LM_xchartg_gammaL} {FF_LM_xchartg_gammaL}
 {FF_LM_xchartg_gammaL}                                  Change setcolortransferL -> FF_LM_setcolortransferL0.
 FF_LM_colortransferL0} def
%END FF_LM_colortransferL
/setcolortransfer {FF_LM_colortransferL} def
%END standard definitions of FF_LM_L
} def %END 1MR-0000L special and standard definitions of Local (L) procedure

/iproc1MR 1 def
iproc1MR 1 eq {1MR-0000L} if
%*****************************************************************
```

geu90−4n

This is an example EPS code for EPS images, see http://color.li.tu-berlin.de/fek9/fek9f1p0.txt http://color.li.tu-berlin.de/fek9/fek9f1p0.pdf

```
%*****************************************************************
/Visev_FLVGF {%BEG procedure Visev_FLVGF for application of visual data
%with the method Fast Linear Visual Local File (FLVGF)

/indexGi 09 array def %for the one real data of visual evaluation
/indexGx 54 array def %for 6 different example data of visual evaluation
        %0   %1   %2   %3   %4   %5   %6   %7   %8   %F1 j
/VisevGx [0.000 0.015 0.062 0.140 0.250 0.390 0.562 0.765 1.000%16 08 gamma=2,0
          0.000 0.353 0.500 0.612 0.707 0.790 0.866 0.935 1.000%17 17 gamma=0,5
          0.000 0.044 0.125 0.229 0.353 0.494 0.649 0.818 1.000%18 20 gamma=1,5
          0.000 0.044 0.125 0.229 0.353 0.494 0.649 0.818 1.000%19 35 gamma=0,6667
          0.000 0.125 0.250 0.375 0.500 0.625 0.750 0.875 1.000%20 44 gamma=1,0
          0.000 0.125 0.250 0.375 0.500 0.625 0.750 0.875 1.000%21 53 experimental
         ] def %5 53
         % the last line shall be replaced by the experimetal data, if available

0 1 8 {/j exch def %j=0,8                                Determination of the visual evaluation
       VisevGx 1 j VisevGx indexGi 16 sub 9 mul j add get put   Examples: 16 <= indexGi <= 21
       } for %j=0,8

/xreh8 10 array def /yreh8 10 array def %re=real,   j=0,8
/xinh8 10 array def /yinh8 10 array def %in=invers, j=0,8
/xreh1 1025 array def /yreh1 1025 array def
/xinh1 1025 array def /yinh1 1025 array def
/xred8 10 array def /yred8 10 array def %re=real,   j=0,8
/xind8 10 array def /yind8 10 array def %in=invers, j=0,8
/xred1 1025 array def /yred1 1025 array def
/xind1 1025 array def /yind1 1025 array def

0 1 8 {/j exch def %j=0,8                                Calculation of the table xyreh_0009
       xred8 j j 0.125 mul  put
       yred8 j VisevFx j get put
       xind8 j yred8 j get  put
       yind8 j xred8 j get  put
       xreh8 j xred8 j get 255 mul put
       yreh8 j yred8 j get 255 mul put
       xinh8 j xreh8 j get  put
       yinh8 j yreh8 j get put
      } for %j=0,8

xred8 9 001 put yred8 9 001 put xind8 9 001 put yind8 9 001 put
xreh8 9 255 put yreh8 9 255 put xinh8 9 255 put yinh8 9 255 put

0 1 7  {/k exch def %k=0,8                               Calculation of the table xyreh_1024
0 1 127 {/n exch def %n=0,127
         /j k 128 mul n add def  %j=0,1023
          xred j j 1023 div put
          yred j yred8 k 1 add get yred8 k get sub
                 n 128 div mul     yred8 k get add put
          xind j j xred j j get put
          yind j j xred j j get put
         } for %n=0,127
        } for %k=1,8

0 1 1023 {/j exch def %j=0,1023
          xreh j j xred j j get 1023 mul put
          yreh j j yred j j get 1023 mul put
          xinh j j xred j j get put
          yinh j j xred j j get put
         } for %j=0,1023

xred1 1024 0001 put yred1 1024 0001 put xind1 1024 0001 put yind1 1024 0001 put
xreh1 1024 1023 put yreh1 1024 1023 put xinh1 1024 1023 put yinh1 1024 1023 put
} def %END procedure Visev_FLVGF for application of visual data

/FF_LM_xchartg_gammaG {%BEG procedure FF_LM_xchartg_gammaG   Application of the table xyreh_1024
                       /yend exch def                        for the linearization method
                       /yeh yed 1023 mul cvi def             of the inverse linearized output.
                       /xinh yreh yeh get def
                       xinh 1023 div
                       } def %END procedure FF_LM_xchartg_gammaG

%indexEi=20 may be changed here only once in the Global File (GF)
/indexEi 20 def %default for gamma=1

%The procedure Visev_FLVGF is used only once in the Global File
%The procedure 1MR-0000GF, see geu91-7n, is used only once in the Global File
%The procedure FF_LM_xchartg_gammaG is used for any rgb data set in Global File

/iproc1MR 1 def
%Test if 1MR-0000GF is available, then use this procedure
%/1MR-0000GF where {pop Visev_FLVGF 1MR-0000GF}{Visev_FLVLF 1MR-0000LF} ifelse
iproc1MR 1 eq {Visev_FLVGF 1MR-0000GF} if
%*****************************************************************
```

geu91−3n

This is an example EPS code for EPS images, see http://color.li.tu-berlin.de/fek9/fek9f1p0.txt http://color.li.tu-berlin.de/fek9/fek9f1p0.pdf

```
%*****************************************************************
/Visev_FLVLF {%BEG procedure Visev_FLVLF for application of visual data
%with the method Fast Linear Visual Local File (FLVLF)

/indexFi 09 array def %for the one real data of visual evaluation
/indexFx 54 array def %for 6 different example data of visual evaluation
        %0   %1   %2   %3   %4   %5   %6   %7   %8   %F1 j
/VisevFx [0.000 0.015 0.062 0.140 0.250 0.390 0.562 0.765 1.000%16 08 gamma=2,0
          0.000 0.353 0.500 0.612 0.707 0.790 0.866 0.935 1.000%17 17 gamma=0,5
          0.000 0.044 0.125 0.229 0.353 0.494 0.649 0.818 1.000%18 20 gamma=1,5
          0.000 0.044 0.125 0.229 0.353 0.494 0.649 0.818 1.000%19 35 gamma=0,6667
          0.000 0.125 0.250 0.375 0.500 0.625 0.750 0.875 1.000%20 44 gamma=1,0
          0.000 0.125 0.250 0.375 0.500 0.625 0.750 0.875 1.000%21 53 experimental
         ] def %5 53
         % the last line shall be replaced by the experimetal data, if available

0 1 8 {/j exch def %j=0,8                                Determination of the visual evaluation
       VisevFi 1 j VisevFx indexFi 16 sub 9 mul j add get put   Examples: 16 <= indexFi <= 21
       } for %j=0,8

/xreh8 10 array def /yreh8 10 array def %re=real,   j=0,8
/xinh8 10 array def /yinh8 10 array def %in=invers, j=0,8
/xreh1 1025 array def /yreh1 1025 array def
/xinh1 1025 array def /yinh1 1025 array def
/xred8 10 array def /yred8 10 array def %re=real,   j=0,8
/xind8 10 array def /yind8 10 array def %in=invers, j=0,8
/xred1 1025 array def /yred1 1025 array def
/xind1 1025 array def /yind1 1025 array def

0 1 8 {/j exch def %j=0,8                                Calculation of the table xyreh_0009
       xred8 j j 0.125 mul  put
       yred8 j VisevFi j get put
       xind8 j yred8 j get  put
       yind8 j xred8 j get  put
       xreh8 j xred8 j get 255 mul put
       yreh8 j yred8 j get 255 mul put
       xinh8 j xreh8 j get  put
       yinh8 j yreh8 j get put
      } for %j=0,8

xred8 9 001 put yred8 9 001 put xind8 9 001 put yind8 9 001 put
xreh8 9 255 put yreh8 9 255 put xinh8 9 255 put yinh8 9 255 put

0 1 7  {/k exch def %k=0,8                               Calculation of the table xyreh_1024
0 1 127 {/n exch def %n=0,127
         /j k 128 mul n add def  %j=0,1023
          xred j j 1023 div put
          yred j yred8 k 1 add get yred8 k get sub
                 n 128 div mul     yred8 k get add put
          xind j j xred j j get put
          yind j j xred j j get put
         } for %n=0,127
        } for %k=1,8

0 1 1023 {/j exch def %j=0,1023
          xreh j j xred j j get 1023 mul put
          yreh j j yred j j get 1023 mul put
          xinh j j xred j j get put
          yinh j j xred j j get put
         } for %j=0,1023

xred1 1024 0001 put yred1 1024 0001 put xind1 1024 0001 put yind1 1024 0001 put
xreh1 1024 1023 put yreh1 1024 1023 put xinh1 1024 1023 put yinh1 1024 1023 put
} def %END procedure Visev_FLVLF for application of visual data

/FF_LM_xchartg_gammaF {%BEG procedure FF_LM_xchartg_gammaF   Application of the table xyreh_1024
                       /yend exch def                        for the linearization method
                       /yeh yed 1023 mul cvi def             of the inverse linearized output.
                       /xinh yreh yeh get def
                       xinh 1023 div
                       } def %END procedure FF_LM_xchartg_gammaF

%indexFi=20 may be changed here only once in the Local File (LF)
/indexFi 20 def %default for gamma=1

%The procedure Visev_FLVLF is used only once in the Local File
%The procedure 1MR-000LF, see geu91-8n, is used only once in the Local File
%The procedure FF_LM_xchartg_gammaF is used for any rgb data set in Local File

/iproc1MR 1 def
%Test if 1MR-000LF is available, then use this procedure
%/1MR-000GF where {pop Visev_FLVGF 1MR-000GF}{Visev_FLVLF 1MR-000LF} ifelse
iproc1MR 1 eq {Visev_FLVLF 1MR-000LF} if
%*****************************************************************
```

geu91−4n

This is an example EPS code for EPS images, see http://color.li.tu-berlin.de/fek9/fek9f1p0.txt http://color.li.tu-berlin.de/fek9/fek9f1p0.pdf

```
%*****************************************************************
/1MR-000GF {%BEG procedure 1MR-000GF of Global File (GF) data

%BEG standard definitions of Frame File Linearisation Method FF_LM
%This code is usually in the Global File (GF), a similar one may be in the Local File (LF)
% This code shall be always at the beginning of the Global File
/FF_LM_setgrayG0 {setgray} bind def
/FF_LM_setrgbcolorG0 {setrgbcolor} bind def
/FF_LM_setcmykcolorG0 {setcmykcolor} bind def
/FF_LM_transferG0 {settransfer} bind def
/FF_LM_colortransferG0 {setcolortransfer} bind def

/setgray {%BEG procedure setgrayG                        Change setgray -> FF_LM_setrgbcolorG.
          dup dup FF_LM_setrgbcolorG
        } def %END procedure setgrayG

/setcmykcolor {%BEG procedure setcmykcolorG              Change setcmykcolor -> FF_LM_setrgbcolorG.
 /FF_LM_kG exch def /FF_LM_yG exch def
 /FF_LM_mG exch def /FF_LM_cG exch def
 FF_LM_kG 0 eq {1 FF_LM_cG sub 1 FF_LM_mG sub
                1 FF_LM_yG sub FF_LM_setrgbcolorG}
               {1 FF_LM_kG sub dup dup
                FF_LM_setrgbcolorG} ifelse
 } def %END procedure setcmykcolorG

/setrgbcolor {%BEG procedure setrgbcolorG                Change setrgbcolor -> FF_LM_setrgbcolorG.
 /FF_LM_bG exch def /FF_LM_gG exch def
 /FF_LM_rG exch def
 FF_LM_rG FF_LM_gG FF_LM_bG
 FF_LM_setrgbcolorG
 } def %END procedure setrgbcolorG

/FF_LM_setrgbcolorG {%BEG FF_LM_setrgbcolorG             Change FF_LM_setrgbcolorG -> FF_LM_setrgbcolorG0.
 /FF_LM_bG exch def /FF_LM_gG exch def
 /FF_LM_rG exch def
 FF_LM_rG 0 le {/FF_LM_rG 0.0001 def} if
 FF_LM_gG 0 le {/FF_LM_gG 0.0001 def} if
 FF_LM_bG 0 le {/FF_LM_bG 0.0001 def} if
 /FF_LM_r1G FF_LM_rG FF_LM_xchartg_gammaG def
 /FF_LM_g1G FF_LM_gG FF_LM_xchartg_gammaG def
 /FF_LM_b1G FF_LM_bG FF_LM_xchartg_gammaG def
 FF_LM_r1G FF_LM_g1G FF_LM_b1G
 FF_LM_setrgbcolorG0} def %END FF_LM_setrgbcolorG
%END standard definitions of FF_LM_LVGF

} def %END procedure 1MR-0LVGF definitions of Linear Visual Local File

/iproc1MR 1 def
%/1MR-0LVG where {pop 1MR-0LVGF}{1MR-0LVLF} ifelse
iproc1MR 1 eq {1MR-0LVGF} if                             Call of the Global (G) procedure 1MR_0LVGF.
%*****************************************************************
```

geu90−7n

This is an example EPS code for EPS images, see http://color.li.tu-berlin.de/fek9/fek9f1p0.txt http://color.li.tu-berlin.de/fek9/fek9f1p0.pdf

```
%*****************************************************************
%BEG special definitions of Linear Visual Local File (LVLF)
indexLi 00 def
/visevLi 9 array def %visual evaluation data are calculated
indexLi 0 eq {/gamma 1.0 def %indexLi=0
%        0    1    2    3    4    5    6    7    8
/visevLi [0.000 0.125 0.250 0.375 0.500 0.625 0.750 0.875 1.000] def} if %indexLi=0
indexLi 1 eq {/gamma 2.0 def %indexLi=1
/visevLi [0.000 0.015 0.062 0.140 0.250 0.390 0.562 0.765 1.000] def} if %indexLi=1
indexLi 2 eq {/gamma 0.5 def %indexLi=2
/visevLi [0.000 0.353 0.500 0.612 0.707 0.790 0.866 0.935 1.000] def} if %indexLi=2
indexLi 3 eq {/gamma 1.5 def %indexLi=3
/visevLi [0.000 0.044 0.125 0.229 0.353 0.494 0.649 0.818 1.000] def} if %indexLi=3

/xred1 9 array def /yred1 9 array def %re=real,   j=0,8
/xind1 9 array def /yind1 9 array def %in=invers, j=0,8

0 1 8 {/j exch def %j=0,8
       xred1 j j 0.125 mul put                           Calculation of the table xyreh_0009
       yred1 j xred1 j get gamma exp put
       } for %j=0,8
%END special definitions of Linear Visual Local File (LVGF)

/1MR-0LVGF {%BEG procedure 1MR-0LVGF definitions of Linear Visual Local File (LVGF)
%BEG special definitions of FF_LM_LVGF
/FF_LM_xchartg_gammaG
    {%BEG for inverse data with linear interpolation
     /yred exch def
     yred 0 eq {/yred  0.0001 def} if                    Application of the table xyreh_0009
     yred 1 eq {/yred  0.9999 def} if                    for the linearization method
     0 1 7 {/i exch def %i=0,7                           of the inverse linearized output.
            /yred visevLi i get ge {/im i def} if
            } for %i=0,7
     /yind yred          visevLi im get sub
     visevLi im 1 add get visevLi im get sub div def
     /xind im yind add 0.125 mul def
     xind j yind j 7 le {yred add} if put %not required
     yind j xind put                      %not required
     xind                                 %final inverse data
    } def %END for inverse data with linear interpolation
%END special definitions of FF_LM_LVGF

%BEF standard definitions of FF_LM_LVGF
/FF_LM_setgrayF0 {setgray} bind def
/FF_LM_setrgbcolorF0 {setrgbcolor} bind def              The following standard definitions of the
/FF_LM_setcmykcolorF0 {setcmykcolor} bind def            Frame File Linearization method (FF_LM)
/FF_LM_transferF0 {settransfer} bind def                 serve for both vector and pixel graphic.
/FF_LM_colortransferF0 {setcolortransfer} bind def       These definitions are equal in most files.

/setgray {%BEF procedure setgrayF                        Change setgray -> FF_LM_setrgbcolorF.
          dup dup FF_LM_setrgbcolorF
        } def %END procedure setgrayF

/setcmykcolor {%BEF procedure setcmykcolorF              Change setcmykcolor -> FF_LM_setrgbcolorF.
 /FF_LM_kF exch def /FF_LM_yF exch def
 /FF_LM_mF exch def /FF_LM_cF exch def
 FF_LM_kF 0 eq {1 FF_LM_cF sub 1 FF_LM_mF sub
                1 FF_LM_yF sub FF_LM_setrgbcolorF}
               {1 FF_LM_kF sub dup dup
                FF_LM_setrgbcolorF} ifelse
 } def %END procedure setcmykcolorF

/setrgbcolor {%BEF procedure setrgbcolorF                Change setrgbcolor -> FF_LM_setrgbcolorF.
 /FF_LM_bF exch def /FF_LM_gF exch def
 /FF_LM_rF exch def
 FF_LM_rF FF_LM_gF FF_LM_bF
 FF_LM_setrgbcolorF
 } def %END procedure setrgbcolorF

/FF_LM_setrgbcolorF {%BEF FF_LM_setrgbcolorF             Change FF_LM_setrgbcolorF -> FF_LM_setrgbcolorF0.
 /FF_LM_bF exch def /FF_LM_gF exch def
 /FF_LM_rF exch def
 FF_LM_rF 0 le {/FF_LM_rF 0.0001 def} if
 FF_LM_gF 0 le {/FF_LM_gF 0.0001 def} if
 FF_LM_bF 0 le {/FF_LM_bF 0.0001 def} if
 /FF_LM_r1F FF_LM_rF FF_LM_xchartg_gammaF def
 /FF_LM_g1F FF_LM_gF FF_LM_xchartg_gammaF def
 /FF_LM_b1F FF_LM_bF FF_LM_xchartg_gammaF def
 FF_LM_r1F FF_LM_g1F FF_LM_b1F
 FF_LM_setrgbcolorF0} def %END FF_LM_setrgbcolorF
%END standard definitions of FF_LM_LVLF

} def %END procedure 1MR-0LVLF definitions of Linear Visual Local File

/iproc1MR 1 def
%/1MR-0OLVG where {pop 1MR-0LVGF}{1MR-0LVLF} ifelse
iproc1MR 1 eq {1MR-0LVLF} if                             Call of the Local (L) procedure 1MR_0LVLF.
%*****************************************************************
```

geu90−8n

This is an example EPS code for EPS images, see http://color.li.tu-berlin.de/fek9/fek9f1p0.txt http://color.li.tu-berlin.de/fek9/fek9f1p0.pdf

```
%*****************************************************************
/1MR-000GF {%BEG procedure 1MR-000GF of Global File (GF) data

%BEG standard definitions of Frame File Linearisation Method FF_LM
%This code is usually in the Global File (GF), a similar one may be in the Local File (LF)
% This code shall be always at the beginning of the Global File
/FF_LM_setgrayG0 {setgray} bind def
/FF_LM_setrgbcolorG0 {setrgbcolor} bind def
/FF_LM_setcmykcolorG0 {setcmykcolor} bind def
/FF_LM_transferG0 {settransfer} bind def
/FF_LM_colortransferG0 {setcolortransfer} bind def

/setgray {%BEG procedure setgrayG                        Change setgray -> FF_LM_setrgbcolorG.
          dup dup FF_LM_setrgbcolorG
        } def %END procedure setgrayG

/setcmykcolor {%BEG procedure setcmykcolorG              Change setcmykcolor -> FF_LM_setrgbcolorG.
 /FF_LM_kG exch def /FF_LM_yG exch def
 /FF_LM_mG exch def /FF_LM_cG exch def
 FF_LM_kG 0 eq {1 FF_LM_cG sub 1 FF_LM_mG sub
                1 FF_LM_yG sub FF_LM_setrgbcolorG}
               {1 FF_LM_kG sub dup dup
                FF_LM_setrgbcolorG} ifelse
 } def %END procedure setcmykcolorG

/setrgbcolor {%BEG procedure setrgbcolorG                Change setrgbcolor -> FF_LM_setrgbcolorG.
 /FF_LM_bG exch def /FF_LM_gG exch def
 /FF_LM_rG exch def
 FF_LM_rG FF_LM_gG FF_LM_bG
 FF_LM_setrgbcolorG
 } def %END procedure setrgbcolorG

/FF_LM_setrgbcolorG {%BEG FF_LM_setrgbcolorG             Change FF_LM_setrgbcolorG -> FF_LM_setrgbcolorG0.
 /FF_LM_bG exch def /FF_LM_gG exch def
 /FF_LM_rG exch def
 FF_LM_rG 0 le {/FF_LM_rG 0.0001 def} if
 FF_LM_gG 0 le {/FF_LM_gG 0.0001 def} if
 FF_LM_bG 0 le {/FF_LM_bG 0.0001 def} if
 /FF_LM_r1G FF_LM_rG FF_LM_xchartg_gammaG def
 /FF_LM_g1G FF_LM_gG FF_LM_xchartg_gammaG def
 /FF_LM_b1G FF_LM_bG FF_LM_xchartg_gammaG def
 FF_LM_r1G FF_LM_g1G FF_LM_b1G
 FF_LM_setrgbcolorG0} def %END FF_LM_setrgbcolorG
%END standard definitions of Frame File Linearisation Method FF_LM

} def %END procedure 1MR-000GF of Global File (GF) data

%Remark:
%The procedure 1MR-000GF may be called in the Global File (GF)
%after definion of this procedure
%*****************************************************************
```

geu91−7n

This is an example EPS code for EPS images, see http://color.li.tu-berlin.de/fek9/fek9f1p0.txt http://color.li.tu-berlin.de/fek9/fek9f1p0.pdf

```
%*****************************************************************
/1MR-000LF {%BEG procedure 1MR-000LF of Local File (LF) data

%BEG standard definitions of Frame File Linearisation Method FF_LM
%This code is usually in the Local File (LF) or a similar one in the Global File (GF)
% This code shall be always at the beginning of the Local or Global file
/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

/setgray {%BEG procedure setgrayF                        Change setgray -> FF_LM_setgrbcolorF.
          dup dup FF_LM_setrgbcolorF
        } def %END procedure setgrayF

/setcmykcolor {%BEG procedure setcmykcolorF              Change setcmykcolor -> FF_LM_setgrbcolorF.
 /FF_LM_kF exch def /FF_LM_yF exch def
 /FF_LM_mF exch def /FF_LM_cF exch def
 FF_LM_kF 0 eq {1 FF_LM_cF sub 1 FF_LM_mF sub
                1 FF_LM_yF sub FF_LM_setrgbcolorF}
               {1 FF_LM_kF sub dup dup
                FF_LM_setrgbcolorF} ifelse
 } def %END procedure setcmykcolorF

/setrgbcolor {%BEG procedure setrgbcolorF                Change setrgbcolor -> FF_LM_setgrbcolorF.
 /FF_LM_bF exch def /FF_LM_gF exch def
 /FF_LM_rF exch def
 FF_LM_rF FF_LM_gF FF_LM_bF
 FF_LM_setgrbcolorF
 } def %END procedure setgrbcolorF

/FF_LM_setgrbcolorF {%BEG FF_LM_setgrbcolorF             Change FF_LM_setgrbcolorF -> FF_LM_setgrbcolorF0.
 /FF_LM_bF exch def /FF_LM_gF exch def
 /FF_LM_rF exch def
 FF_LM_rF 0 le {/FF_LM_rF 0.0001 def} if
 FF_LM_gF 0 le {/FF_LM_gF 0.0001 def} if
 FF_LM_bF 0 le {/FF_LM_bF 0.0001 def} if
 /FF_LM_r1F FF_LM_rF FF_LM_xchartg_gammaF def
 /FF_LM_g1F FF_LM_gF FF_LM_xchartg_gammaF def
 /FF_LM_b1F FF_LM_bF FF_LM_xchartg_gammaF def
 FF_LM_r1F FF_LM_g1F FF_LM_b1F
 FF_LM_setgrbcolorF0} def %END FF_LM_setgrbcolorF
%END standard definitions of Frame File Linearisation Method FF_LM

} def %END procedure 1MR-000LF of Local File (LF) data

%Remark:
%The procedure 1MR-000LF may be called in the Local File (LF)
%after definion of this procedure
%*****************************************************************
```

geu91−8n