http://farbe.li.tu-berlin.de/hec0/hec0l0np.pdf /.ps; only vector graphic VG; start output
see separate images of this page: http://farbe.li.tu-berlin.de/hec0/hec0.htm

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

TUB registration: 20241001-hec0/hec0l0np.pdf /.ps
application for evaluation and measurement of display or print output

TUB material: code=rha4ta

```
%*****************************************************************
/proc05_gammaG_xyreh {%BEG proc05_gammaG_xyreh                  %BEG proc05_gammaL_xyreh
%BEG Global (G) gamma and calculation of xyreh_1024             %BEG Local (L) gamma and calculation of xyreh_1024
/gammaGi 21 array def                                           /gammaLi %rel. gamma according to ISO 9241-306:2018
/gammaGi %rel. gamma according to ISO 9241-306:2018             %0    1    2    3    4    5    6    7
%0    1    2    3    4    5    6    7                           {0.475 0.550 0.625 0.700 0.775 0.849 0.924 1.000
{0.475 0.550 0.625 0.700 0.775 0.849 0.924 1.000                %8    9   10   11   12   13   14   15
%8    9   10   11   12   13   14   15                           1.000 1.081 1.176 1.290 1.428 1.600 1.818 2.105
 1.000 1.081 1.176 1.290 1.428 1.600 1.818 2.105                %16   17   18   19   20
%16   17   18   19   20                                         2.000 0.500 1.500 0.666 1.000] def
 2.000 0.500 1.500 0.666 1.000] def                             /gammaLmaxi indexFi get def
/gammaGmaxi indexGi get def                                     /xreh1 1024 array def /yreh1 1024 array def
/xreh1 1024 array def /yreh1 1024 array def                     /xinh1 1024 array def /yinh1 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
%calculation of the table xyreh_1024 (h=hex) of real values (reh) with gamma   0 1 1023 {/j exch def %j=0,1023
0 1 1023 {/j exch def %j=0,1023                                         xreh j j                                    put
         xreh j j                                    put                        yreh j j 1 div gamma exp 1023 mul cvi put
         yreh j j 1 div gamma exp 1023 mul cvi put                       } for %j=0,1023
       } for %j=0,1023                                          /proc06_FF_LM_FLVLF {%BEG proc06_FF_LM_FLVLF    %BEG proc06_FF_LM_FLVLF
/proc06_FF_LM_FLVLF {%BEG proc06_FF_LM_FLVLF    %BEG proc06_FF_LM_FLVLF                 /yed exch def
                     /yed exch def                                                      /yeh yed 1023 mul cvi def
                     /yeh yed 1023 mul cvi def                                          /xinh yreh yeh get def
                     /xinh yreh yeh get def                                             xinh 1023 div
                     xinh 1023 div                                                    } def %END proc06_FF_LM_FLVLF
                   } def %END proc06_FF_LM_FLVLF
} def %END proc05_gammaG_xyreh                                  %END proc05_gammaG_xyreh
%*****************************************************************
/proc00_1MR_FLVLF {%BEG proc00_1MR_FLVLF                        %BEG proc00_FF_LM_FLVLF
%main procedure Fast Linear Visual Local File (FLVLF)           %main procedure Fast Linear Visual Local File (FLVLF)

/FF_LM_setgrayFLVLF0 {setgray} bind def
/FF_LM_setrgbcolorFLVLF0 {setrgbcolor} bind def
/FF_LM_setcmykcolorFLVLF0 {setcmykcolor} bind def
/FF_LM_transferFLVLF0 {settransfer} bind def
/FF_LM_colortransferFLVLF0 {setcolortransfer} bind def

/setgray {%BEG procedure setgrayFLVLF                           setgray -> FF_LM_setgrbcolorG
          dup dup FF_LM_setrgbcolorFLVLF                        /setgray {%BEG procedure setgrayFLVLF
        } def %END procedure setgrayFLVLF                       setgray -> FF_LM_setgrbcolorG
/setcmykcolor {%BEG procedure setcmykcolorFLVLF                 /setcmykcolor {%BEG procedure setcmykcolorFLVLF
/FF_LM_kFLVLF exch def /FF_LM_yFLVLF exch def                   setcmykcolor -> FF_LM_setrgbcolorG
/FF_LM_mFLVLF exch def /FF_LM_cFLVLF exch def                   /setcmykcolor {%BEG procedure setcmykcolorFLVLF
FF_LM_kFLVLF 0 eq {1 FF_LM_cFLVLF sub 1 FF_LM_mFLVLF sub
                   1 FF_LM_yFLVLF sub FF_LM_setrgbcolorFLVLF}
                  {1 FF_LM_kFLVLF sub dup dup
                   FF_LM_setrgbcolorFLVLF} ifelse
 } def %END procedure setcmykcolorFLVLF                         setcmykcolor -> FF_LM_setrgbcolorG
/setrgbcolor {%BEG procedure setrgbcolorFLVLF                  /setrgbcolor {%BEG procedure setrgbcolorFLVLF
 /FF_LM_bFLVLF exch def /FF_LM_gFLVLF exch def                  setrgbcolor -> FF_LM_setgrbcolorG
 /FF_LM_rFLVLF exch def                                         /setrgbcolor {%BEG procedure setrgbcolorFLVLF
 FF_LM_rFLVLF FF_LM_gFLVLF FF_LM_bFLVLF                         /FF_LM_bFLVLF exch def /FF_LM_gFLVLF exch def
 FF_LM_setrgbcolorFLVLF                                         /FF_LM_rFLVLF exch def
 } def %END procedure setrgbcolorFLVLF                          FF_LM_rFLVLF FF_LM_gFLVLF FF_LM_bFLVLF
                                                                FF_LM_setrgbcolorFLVLF
/FF_LM_setrgbcolorFLVLF {%BEG FF_LM_setrgbcolorFLVLF            /FF_LM_setrgbcolorFLVLF {%BEG FF_LM_setrgbcolorFLVLF
 /FF_LM_bFLVLF exch def /FF_LM_gFLVLF exch def                  FF_LM_setrgbcolorG -> FF_LM_setrgbcolorG0
 /FF_LM_rFLVLF exch def                                         /FF_LM_bFLVLF exch def /FF_LM_gFLVLF exch def
 FF_LM_rFLVLF 0 le {/FF_LM_rFLVLF 0.0001 def} if                /FF_LM_rFLVLF exch def
 FF_LM_gFLVLF 0 le {/FF_LM_gFLVLF 0.0001 def} if                FF_LM_rFLVLF 0 le {/FF_LM_rFLVLF 0.0001 def} if
 FF_LM_bFLVLF 0 le {/FF_LM_bFLVLF 0.0001 def} if                FF_LM_gFLVLF 0 le {/FF_LM_gFLVLF 0.0001 def} if
 /FF_LM_r1FLVLF FF_LM_rFLVLF proc06_FF_LM_FLVLF def             FF_LM_bFLVLF 0 le {/FF_LM_bFLVLF 0.0001 def} if
 /FF_LM_g1FLVLF FF_LM_gFLVLF proc06_FF_LM_FLVLF def             /FF_LM_r1FLVLF FF_LM_rFLVLF proc06_FF_LM_FLVLF def
 /FF_LM_b1FLVLF FF_LM_bFLVLF proc06_FF_LM_FLVLF def             /FF_LM_g1FLVLF FF_LM_gFLVLF proc06_FF_LM_FLVLF def
 FF_LM_r1FLVLF FF_LM_g1FLVLF FF_LM_b1FLVLF                      /FF_LM_b1FLVLF FF_LM_bFLVLF proc06_FF_LM_FLVLF def
 FF_LM_setrgbcolorFLVLF0} def %END FF_LM_setrgbcolorFLVLF       FF_LM_r1FLVLF FF_LM_g1FLVLF FF_LM_b1FLVLF
                                                                FF_LM_setrgbcolorFLVLF0} def %END FF_LM_setrgbcolorFLVLF
/FF_LM_transferFLVLF {%BEG FF_LM_transferFLVLF                  /FF_LM_transferFLVLF {%BEG FF_LM_transferFLVLF
 {proc06_FF_LM_FLVLF}{proc06_FF_LM_FLVLF}                       settransferG -> FF_LM_settransferG0
 FF_LM_transferFLVLF0} def %END FF_LM_transferFLVLF             settransferG -> FF_LM_settransferG0
/settransfer {FF_LM_transferFLVLF} def                          /FF_LM_transferFLVLF0} def %END FF_LM_transferFLVLF
                                                                /settransfer {FF_LM_transferFLVLF} def
/FF_LM_colortransferFLVLF {%BEG FF_LM_colortransferFLVLF        /FF_LM_colortransferFLVLF {%BEG FF_LM_colortransferFLVLF
 {proc06_FF_LM_FLVLF}{proc06_FF_LM_FLVLF}                       setcolortransferG->FF_LM_setcolortransferG0
 {proc06_FF_LM_FLVLF}{proc06_FF_LM_FLVLF}                       setcolortransferG->FF_LM_setcolortransferG0
 FF_LM_colortransferFLVLF0} def                                 {proc06_FF_LM_FLVLF}{proc06_FF_LM_FLVLF}
/setcolortransfer {FF_LM_colortransferFLVLF} def                FF_LM_colortransferFLVLF0} def
} def %END proc06_FF_LM_FLVLF                                   /setcolortransfer {FF_LM_colortransferFLVLF} def
%*****************************************************************  } def %END proc06_FF_LM_FLVLF
/proc00_1MR_FLVLF {%BEG proc00_1MR_FLVLF                        %END proc00_FF_LM_FLVLF
/indexGi 07 def %default for gammaG=1.000                       %*****************************************************************
/iproc1MR 1 def %optional application example                   /indexFi 07 def %default for gammaL=1.000
iproc1MR 1 eq {%main program Frame_File_Linearisation_Method (FF_LM)%Example: combined procedure   /iproc1MR 1 def %optional application example
                  proc00_1MR_FLVLF proc05_gammaG_xyreh} if      iproc1MR 1 eq {%main program Frame_File_Linearisation_Method (FF_LM)%Example: combined procedure
%*****************************************************************                proc00_1MR_FLVLF proc05_gammaL_xyreh} if
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%*****************************************************************
/proc06_7data_FLVGF {%BEG proc06_7data_FLVGF                    %BEG proc01_7data_FLVGF
%The procedure proc01_7data_FLVGF is used only once in Global File
/VisexGi 09 array def %for the one real data of visual evaluation
/VisexGx 54 array def %for 6 different example data of visual evaluation
%0    %1    %2    %3    %4    %5    %6    %7    %8    %F1
/VisexGx [0.000 0.015 0.062 0.140 0.250 0.390 0.562 0.765 1.000 %16 68 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 26 gamma=1,5
          0.000 0.250 0.397 0.520 0.630 0.731 0.825 0.915 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 21 experimental
        } def %N5 53
% the last line shall be replaced by the experimetal data, if available

0 1 8 {/j exch def %j=0,8
       /VisexGi j VisexGx indexGi 16 sub 9 mul j add get put
       } for %j=0,8
} def %END proc01_7data_FLVGF                                   %END proc01_7data_FLVLF
%*****************************************************************
/proc02_Visev_FLVGF {%BEG proc02_Visev_FLVGF                    %BEG proc02_Visev_FLVLF
%for visual data with Fast Linear Visual Local File (FLVGF)
%The procedure proc01_7data_FLVGF is used only once in Local File
/xreh8 10 array def /yreh8 10 array def %re=real,    j=0,8
/xinh8 10 array def /yinh8 10 array def %in=inverse, 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=inverse, 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
       xred8 j j 0.125 mul   put
       yred8 j VisexGi 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 yreh8 j get put
       yinh8 j xreh8 j get put
     } for %j=0,8

xred8 9   1 put yred8 9   1 put
xind8 9   1 put yind8 9   1 put
xreh8 9 255 put yreh8 9 255 put
xind8 9 255 put yind8 9 255 put

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

0 1 1023 {/j exch def %j=0,1023
          xred j j xred j get 1023 mul put
          yred j j yred j get 1023 mul put
          xind j j yred j get put
          yind j j xred j get put
        } for %j=0,1023
xred1 1024   1 put yred1 1024   1 put
xind1 1024   1 put yind1 1024   1 put
xreh1 1024 1023 put yreh1 1024 1023 put
xinh1 1024 1023 put yinh1 1024 1023 put
} def %END proc01_Visev_FLVGF                                   %END proc02_Visev_FLVGF
%*****************************************************************
/proc00_FF_LM_FLVGF {%BEG proc00_FF_LM_FLVFL                    %BEG proc00_FF_LM_FLVGF
%This procedure is used for any rgb data in proc00_1MR_FLVGF
                     /yed exch def
                     /yeh yed 1023 mul cvi def
                     /xinh yreh yeh get def
                     xinh 1023 div
                   } def
%END proc00_FF_LM_FLVFL                                         %END proc00_FF_LM_FLVGF
%*****************************************************************
/indexGi 07 def %default for gammaG=1.000
/iproc1MR 1 def %optional application example
iproc1MR 1 eq {%main program Frame_File_Linearisation_Method (FF_LM)%Example: combined procedure
                  proc00_1MR_FLVGF proc01_7data_FLVGF proc02_Visev_FLVGF} if
%*****************************************************************
```

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%*****************************************************************
/proc06_7data_FLVLF {%BEG proc06_7data_FLVLF                    %BEG proc01_7data_FLVLF
%The procedure proc01_7data_FLVLF is used only once in Local File
/VisexLi 09 array def %for the one real data of visual evaluation
/VisexLx 54 array def %for 6 different example data of visual evaluation
%0    %1    %2    %3    %4    %5    %6    %7    %8    %F1
/VisexLx [0.000 0.015 0.062 0.140 0.250 0.390 0.562 0.765 1.000 %16 68 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 26 gamma=1,5
          0.000 0.250 0.397 0.520 0.630 0.731 0.825 0.915 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 21 experimental
        } def %N5 53
% the last line shall be replaced by the experimetal data, if available

0 1 8 {/j exch def %j=0,8
       /VisexLi j VisexLx indexLi 16 sub 9 mul j add get put
       } for %j=0,8
} def %END proc01_7data_FLVLF                                   %END proc01_7data_FLVLF
%*****************************************************************
/proc02_Visev_FLVLF {%BEG proc02_Visev_FLVLF                    %BEG proc02_Visev_FLVLF
%for visual data with Fast Linear Visual Local File (FLVLF)
%The procedure proc01_7data_FLVLF is used only once in Local File
/xreh8 10 array def /yreh8 10 array def %re=real,    j=0,8
/xinh8 10 array def /yinh8 10 array def %in=inverse, 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=inverse, 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
       xred8 j j 0.125 mul   put
       yred8 j VisexLi 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 yreh8 j get put
       yinh8 j xreh8 j get put
     } for %j=0,8

xred8 9   1 put yred8 9   1 put
xind8 9   1 put yind8 9   1 put
xreh8 9 255 put yreh8 9 255 put
xind8 9 255 put yind8 9 255 put

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

0 1 1023 {/j exch def %j=0,1023
          xred j j xred j get 1023 mul put
          yred j j yred j get 1023 mul put
          xind j j yred j get put
          yind j j xred j get put
        } for %j=0,1023
xred1 1024   1 put yred1 1024   1 put
xind1 1024   1 put yind1 1024   1 put
xreh1 1024 1023 put yreh1 1024 1023 put
xinh1 1024 1023 put yinh1 1024 1023 put
} def %END proc01_Visev_FLVLF                                   %END proc02_Visev_FLVLF
%*****************************************************************
/proc00_FF_LM_FLVLF {%BEG proc00_FF_LM_FLVFL                    %BEG proc00_FF_LM_FLVLF
%This procedure is used for any rgb data in proc00_1MR_FLVLF
                     /yed exch def
                     /yeh yed 1023 mul cvi def
                     /xinh yreh yeh get def
                     xinh 1023 div
                   } def
%END proc00_FF_LM_FLVFL                                         %END proc00_FF_LM_FLVLF
%*****************************************************************
/indexLi 20 def %default for gammaL=1.000
/iproc1MR 1 def %optional application example
iproc1MR 1 eq {%main program Frame_File_Linearisation_Method (FF_LM)%Example: combined procedure
                  proc00_1MR_FLVLF proc01_7data_FLVLF proc02_Visev_FLVLF} if
%*****************************************************************
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hec00−8n

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%*****************************************************************
/proc05_gammaG_xyreh {%BEG proc05_gammaG_xyreh                  %BEG proc05_gammaL_xyreh
%BEG Global (G) gamma and calculation of xyreh_1024             %BEG Local (L) gamma and calculation of xyreh_1024
/gammaGi 21 array def                                           /gammaLi %rel. gamma according to ISO 9241-306:2018
/gammaGi %rel. gamma according to ISO 9241-306:2018             %0    1    2    3    4    5    6    7
%0    1    2    3    4    5    6    7                           {0.475 0.550 0.625 0.700 0.775 0.849 0.924 1.000
{0.475 0.550 0.625 0.700 0.775 0.849 0.924 1.000                %8    9   10   11   12   13   14   15
%8    9   10   11   12   13   14   15                           1.000 1.081 1.176 1.290 1.428 1.600 1.818 2.105
 1.000 1.081 1.176 1.290 1.428 1.600 1.818 2.105                %16   17   18   19   20
%16   17   18   19   20                                         2.000 0.500 1.500 0.666 1.000] def
 2.000 0.500 1.500 0.666 1.000] def                             /gammaLmaxi indexFi get def
/gammaGmaxi indexGi get def                                     /xreh1 1024 array def /yreh1 1024 array def
/xreh1 1024 array def /yreh1 1024 array def                     /xinh1 1024 array def /yinh1 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
%calculation of the table xyreh_1024 (h=hex) of real values (reh) with gamma   0 1 1023 {/j exch def %j=0,1023
0 1 1023 {/j exch def %j=0,1023                                         xreh j j                                    put
         xreh j j                                    put                        yreh j j 1 div gamma exp 1023 mul cvi put
         yreh j j 1 div gamma exp 1023 mul cvi put                       } for %j=0,1023
       } for %j=0,1023                                          /proc06_FF_LM_FLVLF {%BEG proc06_FF_LM_FLVLF    %BEG proc06_FF_LM_FLVLF
/proc06_FF_LM_FLVLF {%BEG proc06_FF_LM_FLVLF    %BEG proc06_FF_LM_FLVLF                 /yed exch def
                     /yed exch def                                                      /yeh yed 1023 mul cvi def
                     /yeh yed 1023 mul cvi def                                          /xinh yreh yeh get def
                     /xinh yreh yeh get def                                             xinh 1023 div
                     xinh 1023 div                                                    } def %END proc06_FF_LM_FLVLF
                   } def %END proc06_FF_LM_FLVLF
} def %END proc05_gammaG_xyreh                                  %END proc05_gammaL_xyreh
%*****************************************************************
/proc00_1MR_FLVLF {%BEG proc00_1MR_FLVLF                        %BEG proc00_FF_LM_FLVLF
%main procedure Fast Linear Visual Local File (FLVLF)           %main procedure Fast Linear Visual Local File (FLVLF)

/FF_LM_setgrayFLVLF0 {setgray} bind def
/FF_LM_setrgbcolorFLVLF0 {setrgbcolor} bind def
/FF_LM_setcmykcolorFLVLF0 {setcmykcolor} bind def
/FF_LM_transferFLVLF0 {settransfer} bind def
/FF_LM_colortransferFLVLF0 {setcolortransfer} bind def

/setgray {%BEG procedure setgrayFLVLF                           setgray -> FF_LM_setgrbcolorG
          dup dup FF_LM_setrgbcolorFLVLF                        /setgray {%BEG procedure setgrayFLVLF
        } def %END procedure setgrayFLVLF                       setgray -> FF_LM_setgrbcolorG
/setcmykcolor {%BEG procedure setcmykcolorFLVLF                 /setcmykcolor {%BEG procedure setcmykcolorFLVLF
/FF_LM_kFLVLF exch def /FF_LM_yFLVLF exch def                   setcmykcolor -> FF_LM_setrgbcolorG
/FF_LM_mFLVLF exch def /FF_LM_cFLVLF exch def                   /setcmykcolor {%BEG procedure setcmykcolorFLVLF
FF_LM_kFLVLF 0 eq {1 FF_LM_cFLVLF sub 1 FF_LM_mFLVLF sub
                   1 FF_LM_yFLVLF sub FF_LM_setrgbcolorFLVLF}
                  {1 FF_LM_kFLVLF sub dup dup
                   FF_LM_setrgbcolorFLVLF} ifelse
 } def %END procedure setcmykcolorFLVLF                         setcmykcolor -> FF_LM_setrgbcolorG
/setrgbcolor {%BEG procedure setrgbcolorFLVLF                  /setrgbcolor {%BEG procedure setrgbcolorFLVLF
 /FF_LM_bFLVLF exch def /FF_LM_gFLVLF exch def                  setrgbcolor -> FF_LM_setgrbcolorG
 /FF_LM_rFLVLF exch def                                         /setrgbcolor {%BEG procedure setrgbcolorFLVLF
 FF_LM_rFLVLF FF_LM_gFLVLF FF_LM_bFLVLF                         /FF_LM_bFLVLF exch def /FF_LM_gFLVLF exch def
 FF_LM_setrgbcolorFLVLF                                         /FF_LM_rFLVLF exch def
 } def %END procedure setrgbcolorFLVLF                          FF_LM_rFLVLF FF_LM_gFLVLF FF_LM_bFLVLF
                                                                FF_LM_setrgbcolorFLVLF
/FF_LM_setrgbcolorFLVLF {%BEG FF_LM_setrgbcolorFLVLF            /FF_LM_setrgbcolorFLVLF {%BEG FF_LM_setrgbcolorFLVLF
 /FF_LM_bFLVLF exch def /FF_LM_gFLVLF exch def                  FF_LM_setrgbcolorG -> FF_LM_setrgbcolorG0
 /FF_LM_rFLVLF exch def                                         /FF_LM_bFLVLF exch def /FF_LM_gFLVLF exch def
 FF_LM_rFLVLF 0 le {/FF_LM_rFLVLF 0.0001 def} if                /FF_LM_rFLVLF exch def
 FF_LM_gFLVLF 0 le {/FF_LM_gFLVLF 0.0001 def} if                FF_LM_rFLVLF 0 le {/FF_LM_rFLVLF 0.0001 def} if
 FF_LM_bFLVLF 0 le {/FF_LM_bFLVLF 0.0001 def} if                FF_LM_gFLVLF 0 le {/FF_LM_gFLVLF 0.0001 def} if
 /FF_LM_r1FLVLF FF_LM_rFLVLF proc06_FF_LM_FLVLF def             FF_LM_bFLVLF 0 le {/FF_LM_bFLVLF 0.0001 def} if
 /FF_LM_g1FLVLF FF_LM_gFLVLF proc06_FF_LM_FLVLF def             /FF_LM_r1FLVLF FF_LM_rFLVLF proc06_FF_LM_FLVLF def
 /FF_LM_b1FLVLF FF_LM_bFLVLF proc06_FF_LM_FLVLF def             /FF_LM_g1FLVLF FF_LM_gFLVLF proc06_FF_LM_FLVLF def
 FF_LM_r1FLVLF FF_LM_g1FLVLF FF_LM_b1FLVLF                      /FF_LM_b1FLVLF FF_LM_bFLVLF proc06_FF_LM_FLVLF def
 FF_LM_setrgbcolorFLVLF0} def %END FF_LM_setrgbcolorFLVLF       FF_LM_r1FLVLF FF_LM_g1FLVLF FF_LM_b1FLVLF
                                                                FF_LM_setrgbcolorFLVLF0} def %END FF_LM_setrgbcolorFLVLF
/FF_LM_transferFLVLF {%BEG FF_LM_transferFLVLF                  /FF_LM_transferFLVLF {%BEG FF_LM_transferFLVLF
 {proc06_FF_LM_FLVLF}{proc06_FF_LM_FLVLF}                       settransferG -> FF_LM_settransferG0
 FF_LM_transferFLVLF0} def %END FF_LM_transferFLVLF             settransferG -> FF_LM_settransferG0
/settransfer {FF_LM_transferFLVLF} def                          /FF_LM_transferFLVLF0} def %END FF_LM_transferFLVLF
                                                                /settransfer {FF_LM_transferFLVLF} def
/FF_LM_colortransferFLVLF {%BEG FF_LM_colortransferFLVLF        /FF_LM_colortransferFLVLF {%BEG FF_LM_colortransferFLVLF
 {proc06_FF_LM_FLVLF}{proc06_FF_LM_FLVLF}                       setcolortransferG->FF_LM_setcolortransferG0
 {proc06_FF_LM_FLVLF}{proc06_FF_LM_FLVLF}                       setcolortransferG->FF_LM_setcolortransferG0
 FF_LM_colortransferFLVLF0} def                                 {proc06_FF_LM_FLVLF}{proc06_FF_LM_FLVLF}
/setcolortransfer {FF_LM_colortransferFLVLF} def                FF_LM_colortransferFLVLF0} def
} def %END proc06_FF_LM_FLVLF                                   /setcolortransfer {FF_LM_colortransferFLVLF} def
%*****************************************************************  } def %END proc06_FF_LM_FLVLF
/proc00_1MR_FLVLF {%BEG proc00_1MR_FLVLF                        %END proc00_FF_LM_FLVLF
/indexLi 20 def %default for gammaL=1.000                       %*****************************************************************
/iproc1MR 1 def %optional application example                   /indexFi 07 def %default for gammaL=1.000
iproc1MR 1 eq {%main program Frame_File_Linearisation_Method (FF_LM)%Example: combined procedure   /iproc1MR 1 def %optional application example
                  proc00_1MR_FLVLF proc05_gammaG_xyreh} if      iproc1MR 1 eq {%main program Frame_File_Linearisation_Method (FF_LM)%Example: combined procedure
%*****************************************************************                proc00_1MR_FLVLF proc05_gammaL_xyreh} if
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hec01−3n

hec01−4n

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%*****************************************************************
/proc04_7data_FLVGF {%BEG proc04_7data_FLVGF                    %BEG proc04_7data_FLVGF
%The procedure proc04_7data_FLVGF is used only once in Global File
/VisexGi 07 array def %for the one real data (i=0,6) of visual evaluation
%0,e08 1,e24 2,e48 3,e62 4,e24 5,e46 6,e68  %indexGi
{0.500  0.500 0.500 0.500 0.500 0.500 0.500} %data, for manuel change
/a1 VisexGx 0 get def          %BEG calculation VisexFi (i=0,8) from 7data
/b1 a1 VisexGx 1 get mul def                                    %b1
/b2 a1 def                                                      %b2
/b3 1 b2 sub VisexGx 2 get mul b2 add def                       %b3
/VisexGi 09 array def %for real data (i=0,8) of visual evaluation
VisexGi 0 0 put
VisexGi 1 b1  0 sub VisexGi 3 get mul put                       %c1
VisexGi 2 b1 put                                                %c2
VisexGi 3 b2 b1 sub VisexGi 4 get mul b1 add put                %c3
VisexGi 4 b2 put                                                %c4
VisexGi 5 b3 b2 sub VisexGi 5 get mul b2 add put                %c5
VisexGi 6 b3 put                                                %c6
VisexGi 7  1 b3 sub VisexGi 6 get mul b3 add put                %c7
VisexGi 8 1 put
} def %END proc04_7data_FLVGF                                   %END proc04_7data_FLVGF
%*****************************************************************
/proc02_Visev_FLVGF {%BEG proc02_Visev_FLVGF                    %BEG proc02_Visev_FLVGF
%for visual data with Fast Linear Visual Local File (FLVGF)
%The procedure proc01_7data_FLVGF is used only once in Local File
/xreh8 10 array def /yreh8 10 array def %re=real,    j=0,8
/xinh8 10 array def /yinh8 10 array def %in=inverse, 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=inverse, 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
       xred8 j j 0.125 mul   put
       yred8 j VisexFi 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 yreh8 j get put
       yinh8 j xreh8 j get put
     } for %j=0,8

xred8 9   1 put yred8 9   1 put
xind8 9   1 put yind8 9   1 put
xreh8 9 255 put yreh8 9 255 put
xind8 9 255 put yind8 9 255 put

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

0 1 1023 {/j exch def %j=0,1023
          xred j j xred j get 1023 mul put
          yred j j yred j get 1023 mul put
          xind j j yred j get put
          yind j j xred j get put
        } for %j=0,1023
xred1 1024   1 put yred1 1024   1 put
xind1 1024   1 put yind1 1024   1 put
xreh1 1024 1023 put yreh1 1024 1023 put
xinh1 1024 1023 put yinh1 1024 1023 put
} def %END proc01_Visev_FLVGF                                   %END proc02_Visev_FLVGF
%*****************************************************************
/proc00_FF_LM_FLVGF {%BEG proc00_FF_LM_FLVFL                    %BEG proc00_FF_LM_FLVGF
%This procedure is used for any rgb data in proc00_1MR_FLVGF
                     /yed exch def
                     /yeh yed 1023 mul cvi def
                     /xinh yreh yeh get def
                     xinh 1023 div
                   } def
%END proc00_FF_LM_FLVFL                                         %END proc00_FF_LM_FLVGF
%*****************************************************************
%default experimental, no gammaG value
/iproc1MR 1 def %optional application example
iproc1MR 1 eq {%main program Frame_File_Linearisation_Method (FF_LM)%Example: combined procedure
                  proc00_1MR_FLVGF proc04_7data_FLVGF proc02_Visev_FLVGF} if
%*****************************************************************
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hec01−7n

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%*****************************************************************
/proc04_7data_FLVLF {%BEG proc04_7data_FLVLF                    %BEG proc04_7data_FLVLF
%The procedure proc04_7data_FLVLF is used only once in Local File
/VisexLi 07 array def %for the one real data (i=0,6) of visual evaluation
%0,e08 1,e24 2,e48 3,e62 4,e24 5,e46 6,e68  %indexLi
{0.500  0.500 0.500 0.500 0.500 0.500 0.500} %data, for manuel change
/a1 VisexLx 0 get def          %BEG calculation VisexLi (i=0,8) from 7data
/b1 a1 VisexLx 1 get mul def                                    %b1
/b2 a1 def                                                      %b2
/b3 1 b2 sub VisexLx 2 get mul b2 add def                       %b3
/VisexLi 09 array def %for real data (i=0,8) of visual evaluation
VisexLi 0 0 put
VisexLi 1 b1  0 sub VisexLi 3 get mul put                       %c1
VisexLi 2 b1 put                                                %c2
VisexLi 3 b2 b1 sub VisexLi 4 get mul b1 add put                %c3
VisexLi 4 b2 put                                                %c4
VisexLi 5 b3 b2 sub VisexLi 5 get mul b2 add put                %c5
VisexLi 6 b3 put                                                %c6
VisexLi 7  1 b3 sub VisexLi 6 get mul b3 add put                %c7
VisexLi 8 1 put
} def %END proc04_7data_FLVLF                                   %END proc04_7data_FLVLF
%*****************************************************************
/proc02_Visev_FLVLF {%BEG proc02_Visev_FLVLF                    %BEG proc02_Visev_FLVLF
%for visual data with Fast Linear Visual Local File (FLVLF)
%The procedure proc01_7data_FLVLF is used only once in Local File
/xreh8 10 array def /yreh8 10 array def %re=real,    j=0,8
/xinh8 10 array def /yinh8 10 array def %in=inverse, 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=inverse, 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
       xred8 j j 0.125 mul   put
       yred8 j VisexLi 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 yreh8 j get put
       yinh8 j xreh8 j get put
     } for %j=0,8

xred8 9   1 put yred8 9   1 put
xind8 9   1 put yind8 9   1 put
xreh8 9 255 put yreh8 9 255 put
xind8 9 255 put yind8 9 255 put

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

0 1 1023 {/j exch def %j=0,1023
          xred j j xred j get 1023 mul put
          yred j j yred j get 1023 mul put
          xind j j yred j get put
          yind j j xred j get put
        } for %j=0,1023
xred1 1024   1 put yred1 1024   1 put
xind1 1024   1 put yind1 1024   1 put
xreh1 1024 1023 put yreh1 1024 1023 put
xinh1 1024 1023 put yinh1 1024 1023 put
} def %END proc01_Visev_FLVLF                                   %END proc02_Visev_FLVLF
%*****************************************************************
/proc00_FF_LM_FLVLF {%BEG proc00_FF_LM_FLVFL                    %BEG proc00_FF_LM_FLVLF
%This procedure is used for any rgb data in proc00_1MR_FLVLF
                     /yed exch def
                     /yeh yed 1023 mul cvi def
                     /xinh yreh yeh get def
                     xinh 1023 div
                   } def
%END proc00_FF_LM_FLVFL                                         %END proc00_FF_LM_FLVLF
%*****************************************************************
%default experimental, no gammaG value
/iproc1MR 1 def %optional application example
iproc1MR 1 eq {%main program Frame_File_Linearisation_Method (FF_LM)%Example: combined procedure
                  proc00_1MR_FLVLF proc04_7data_FLVLF proc02_Visev_FLVLF} if
%*****************************************************************
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hec01−8n

TUB-test chart hec0; EPS-example code of eps images, see EPS code FLVGF & FLVLF within
http://color.li.tu-berlin.de/hec0/hec0l0np.txt and in images http://color.li.tu-berlin.de/hecs.htm