http://farbe.li.tu-berlin.de/hec2/hec2l0n1.txt /.ps; only vector graphic VG; start output
see separate images of this page: http://farbe.li.tu-berlin.de/hec2/hec2.htm

```
%*****************************************************
/proc05_gammaG_xyreh {%BEG proc05_gammaG_xyreh          %BEG proc05_gammaG_xyreh
%BEG Global (G) gamma and calculation of xyreh_1024
/gammaGi 21 array def
/gammaGi %rel. gamma according to Yoshi 1940-706:2018
%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 1.061 1.176 1.290 1.428 1.690 1.818 2.105
%16  17  18  19  20
 2.000 0.500 1.500 0.666 1.000] def

/gamma gammaGi indexGi get def
/xreh{ 1024 array def /yreh{ 1024 array def
/xinh{ 1024 array def /yinh{ 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 } put                                  put
          yreh{ j } put  according to ISO 9240-706:2018
        } for %j=0,1023
/proc06_FF_LM_FLVGF {%BEG proc06_FF_LM_FLVGF            %BEG proc06_FF_LM_FLVGF
                     /yed exch def
                     /yeh yed 1023 mul cvi def
                     /xinh yreh{ yeh get def
                     /xinh 1023 div
                   } def %END proc06_FF_LM_FLVGF        %END proc06_FF_LM_FLVGF

} def %END proc05_gammaG_xyreh                          %END proc05_gammaG_xyreh
%*****************************************************
/proc00_1MR_FLVGF {%BEG proc00_1MR_FLVGF                %BEG proc00_FF_LM_FLVGF
%main procedure Fast Linear Visual Local File (FLVGF)

/FF_LM_setgrayFLVGF0 {setgray} bind def
/FF_LM_setrgbcolorFLVGF0 {setrgbcolor} bind def
/FF_LM_setcmykcolorFLVGF0 {setcmykcolor} bind def
/FF_LM_transferFLVGF0 {settransfer} bind def
/FF_LM_colortransferFLVGF0 {setcolortransfer} bind def

/setgray {%BEG procedure setgrayFLVGF                   setgray -> FF_LM_setrgbcolorG
          dup dup FF_LM_setrgbcolorFLVGF
        } def %END procedure setgrayFLVGF

/setcmykcolor {%BEG procedure setcmykcolorFLVGF         setcmykcolor -> FF_LM_setrgbcolorG
/FF_LM_kFLVGF exch def /FF_LM_yFLVGF exch def
/FF_LM_mFLVGF exch def /FF_LM_cFLVGF exch def
FF_LM_kFLVGF 0 eq {1 FF_LM_cFLVGF sub 1 FF_LM_mFLVGF sub
                   1 FF_LM_yFLVGF sub FF_LM_setrgbcolorFLVGF}
                 {1 FF_LM_cFLVGF sub dup dup
                   FF_LM_setrgbcolorFLVGF} ifelse
 } def %END procedure setcmykcolorFLVGF

/setrgbcolor {%BEG procedure setrgbcolorFLVGF           setrgbcolor -> FF_LM_setrgbcolorG
 /FF_LM_bFLVGF exch def /FF_LM_gFLVGF exch def
 /FF_LM_rFLVGF exch def
 FF_LM_rFLVGF FF_LM_gFLVGF FF_LM_bFLVGF
 FF_LM_setrgbcolorFLVGF
 } def %BEG procedure setrgbcolorFLVGF

/FF_LM_setrgbcolorFLVGF {%BEG FF_LM_setrgbcolorFLVGF    FF_LM_setrgbcolorG -> FF_LM_setrgbcolorG0
 /FF_LM_bBFLVGF exch def /FF_LM_gBFLVGF exch def
 /FF_LM_rBFLVGF exch def
 FF_LM_rBFLVGF 0 le {/FF_LM_rBFLVGF 0.0001 def} if
 FF_LM_gBFLVGF 0 le {/FF_LM_gBFLVGF 0.0001 def} if
 FF_LM_bBFLVGF 0 le {/FF_LM_bBFLVGF 0.0001 def} if
 /FF_LM_r1FLVGF FF_LM_rBFLVGF proc06_FF_LM_FLVGF def
 /FF_LM_g1FLVGF FF_LM_gBFLVGF proc06_FF_LM_FLVGF def
 /FF_LM_b1FLVGF FF_LM_bBFLVGF proc06_FF_LM_FLVGF def
 FF_LM_r1FLVGF FF_LM_g1FLVGF FF_LM_b1FLVGF
 FF_LM_setrgbcolorFLVGF0} def %END FF_LM_setrgbcolorFLVGF

/FF_LM_transferFLVGF {%BEG FF_LM_transferFLVGF          settransferG -> FF_LM_settransferG0
 {proc06_FF_LM_FLVGF}
 FF_LM_transferFLVGF0} def %END FF_LM_transferFLVGF
/settransfer {FF_LM_transferFLVGF} def

/FF_LM_colortransferFLVGF {%BEG FF_LM_colortransferFLVGF  setcolortransferG->FF_LM_setcolortransferG0
 {proc06_FF_LM_FLVGF} {proc06_FF_LM_FLVGF}
 {proc06_FF_LM_FLVGF}
 FF_LM_colortransferFLVGF0} def
/setcolortransfer {FF_LM_colortransferFLVGF} def
} def %END proc00_1MR_FLVGF                             %END proc00_FF_LM_FLVGF
%*****************************************************
0 1 20 {/indexGi exch def %loop for 21 Global gamma6 values
/iprocIMR 1 def %optional application example
iprocIMR 1 eq {%main Frame_File_Linearisation_Method (FF_LM)  %Example: combined procedure
               proc00_1MR_FLVGF proc05_gammaG_xyreh} if
%*****************************************************
```

hec20–7n

```
%*****************************************************
/proc04_7data_FLVGF {%BEG proc04_7data_FLVGF            %BEG proc04_7data_FLVGF
%The procedure proc04_7data_FLVGF is used only once in Global File
/VisieVi 07 array def %for real data (i=0,6) of visual evaluation
%8,m08 1,e24 2,e48 3,e02 4,e24 5,e46 6,e08 7%indexG
[0.500  0.500 0.500 0.500 0.500 0.500 0.500] %7data, for manuel change
/a1 VisieVi6 0 get def          %BEG calculation VisieFi (i=0,8) from 7data
/b1 a1 VisieVx 1 get mul def                                          %b1
/b2 a1 def                                                            %b2
/b3 1 b2 sub VisieVx 2 get mul b2 add def                             %b3
/VisieGi 80 array def %for real data (i=0,8) of visual evaluation
VisieGi 0 0 put
VisieGi 1 b1  0 sub VisieVi 3 get mul put            %c1
VisieGi 2 b1 put                                     %c2
VisieGi 3 b2 b1 sub VisieVi 4 get mul b1 add put     %c3
VisieGi 4 b2 put                                     %c4
VisieGi 5 b3 b2 sub VisieVi 5 get mul b2 add put     %c5
VisieGi 6 b3 put                                     %c6
VisieGi 7  1 b3 sub VisieVi 6 get mul b3 add put     %c7
VisieGi 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=invers, j=0,8
/xredj 1025 array def /yredj 1025 array def
/xinj 1025 array def /yinj 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
/xredj 1025 array def /yredj 1025 array def
/xindj 1025 array def /yindj 1025 array def
0 1 8 {/j exch def %j=0,8
       xred8 j 0.125 mul   put
       yred8 j VisieFi 1 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 yred8 j get put
       yinh8 j xred8 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
xinh8 9 255 put yinh8 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
         xredj j 1 1023 div put
         yredj j yred8 k 1 add get yred8 k get sub
                 n 128 div mul     yred8 k get add put
         xindj j yredj j get put
         yindj j xredj j get put
        } for %n=0,127
        } for %k=1,8

0 1 1023 {/j exch def %j=0,1023
          xrehj j xredj j get 1023 mul put
          yrehj j yredj j get 1023 mul put
          xinhj j xredj j get put
          yinhj j yredj j get put
          } for %j=0,1023
xredj 1024    1 put yredj 1024    1 put
xindj 1024    1 put yindj 1024    1 put
xrehj 1024 1023 put yrehj 1024 1023 put
xinhj 1024 1023 put yinhj 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_FLVGF                                 %END proc00_FF_LM_FLVGF
%*****************************************************
%define experimental, no gamma6 value
/iprocIMR 1 def %optional application example
iprocIMR 1 eq {%main program Frame_File_Linearisation_Method (FF_LM)  %Example: combined procedure
               proc00_1MR_FLVGF proc04_7data_FLVGF proc02_Visev_FLVGF} if
%*****************************************************
```

hec21–7n

TUB-test chart hec2; EPS-example code of eps images, see EPS code FLVGF within
http://color.li.tu-berlin.de/hec0/hec0l0np.txt and in images http://color.li.tu-berlin.de/hecs.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-hec2/hec2l0n1.txt /.ps
application for evaluation and measurement of display or print output

TUB material: code=ha4ta