http://farbe.li.tu-berlin.de/hec3/hec3l0n1.txt /.ps; only vector graphic VG; start output
see separate images of this page: http://farbe.li.tu-berlin.de/hec3/hec3.htm

```
%*****************************************************
/proc05_gammal_xyreh {%BEG proc05_gammal_xyreh          %BEG proc05_gammal_xyreh
%BEG Local (L) gamma and calculation of xyreh_1024
/gammaL1 21 array def
/gammaL1 %rel. gamma according to ISO 9241-306:2018
%0    1    2    3    4    5    6    7
[8.475 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

/gamma gammaL1 indexFi get def
/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   }
            /xreh1 j j                                  put
            /yreh1 j j 1023 div gamma 1023 mul cvi put
          } for %j=0,1023
/proc06_FF_LM_FLVLF {%BEG proc06_FF_LM_FLVLF          %BEG proc06_FF_LM_FLVLF
                     /yed exch def
                     /yeh yed 1023 mul cvi def
                     /xinh yreh1 yeh get def
                     /xinh 1023 div                   %END proc06_FF_LM_FLVLF
                   } def %END proc06_FF_LM_FLVLF

} def %END proc05_gammal_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)

/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_setrgbcolorG
          dup dup FF_LM_setrgbcolorFLVLF
        } def %END procedure setgrayFLVLF

/setcmykcolor {%BEG procedure setcmykcolorFLVLF       setcmykcolor -> FF_LM_setrgbcolorG
/FF_LM_kFLVLF exch def /FF_LM_yFLVLF exch def
/FF_LM_mFLVLF exch def /FF_LM_cFLVLF exch def
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_cFLVLF sub dup dup
                   FF_LM_setrgbcolorFLVLF} ifelse
 } def %END procedure setcmykcolorFLVLF

/setrgbcolor {%BEG procedure setrgbcolorFLVLF         setrgbcolor -> FF_LM_setrgbcolorG
 /FF_LM_bFLVLF exch def /FF_LM_gFLVLF exch def
 /FF_LM_rFLVLF exch def
 FF_LM_rFLVLF FF_LM_gFLVLF FF_LM_bFLVLF
 FF_LM_setrgbcolorFLVLF
 } def %BEG procedure setrgbcolorFLVLF

/FF_LM_setrgbcolorFLVLF {%BEG FF_LM_setrgbcolorFLVLF  FF_LM_setrgbcolorG -> FF_LM_setrgbcolorG0
 /FF_LM_bBFLVLF exch def /FF_LM_gBFLVLF exch def
 /FF_LM_rBFLVLF exch def
 FF_LM_rBFLVLF 0 le {/FF_LM_rBFLVLF 0.0001 def} if
 FF_LM_gBFLVLF 0 le {/FF_LM_gBFLVLF 0.0001 def} if
 FF_LM_bBFLVLF 0 le {/FF_LM_bBFLVLF 0.0001 def} if
 /FF_LM_rlFLVLF FF_LM_rBFLVLF proc06_FF_LM_FLVLF def
 /FF_LM_glFLVLF FF_LM_gBFLVLF proc06_FF_LM_FLVLF def
 /FF_LM_blFLVLF FF_LM_bBFLVLF proc06_FF_LM_FLVLF def
 FF_LM_rlFLVLF FF_LM_glFLVLF FF_LM_blFLVLF
 FF_LM_setrgbcolorFLVLF0} def %END FF_LM_setrgbcolorFLVLF

/FF_LM_transferFLVLF {%BEG FF_LM_transferFLVLF        settransferG -> FF_LM_settransferG0
 {proc06_FF_LM_FLVLF}
 FF_LM_transferFLVLF0} def %END FF_LM_transferFLVLF
/settransfer {FF_LM_transferFLVLF} def

/FF_LM_colortransferFLVLF {%BEG FF_LM_colortransferFLVLF  setcolortransferG->FF_LM_setcolortransferG0
 {proc06_FF_LM_FLVLF} {proc06_FF_LM_FLVLF}
 {proc06_FF_LM_FLVLF}
 FF_LM_colortransferFLVLF0} def
/setcolortransfer {FF_LM_colortransferFLVLF} def
} def %END proc00_1MR_FLVLF                           %END proc00_FF_LM_FLVLF
%*****************************************************
/indexFi 67 def %default for gammal=1.000
/iproc1MR 1 def %optional application example
iproc1MR 1 eq {%main Frame_File_Linearisation_Method (FF_LM)%Example: combined procedure
               proc00_1MR_FLVLF proc05_gammal_xyreh} if
%*****************************************************
```

hec30–7n

```
%*****************************************************
/proc00_7data_FLVLF {%BEG proc00_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
/VisexLs 54 array def %for 6 different example data of visual evaluation
         %0   %1   %2   %3   %4   %5   %6   %7   %8   %Fi j
/VisexLx [0.000 0.015 0.062 0.140 0.250 0.390 0.562 0.765 1.000 %16 16 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 18 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 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
       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=invers, j=0,8
/xred1 1025 array def /yred1 1025 array def
/xinj 1025 array def /yinj 1025 array def

/xred8 10 array def /yred8 10 array def %re=real,    j=0,8
/xinh8 10 array def /yinh8 10 array def %in=invers, j=0,8
/xred1 1025 array def /yred1 1025 array def
/xinj 1025 array def /yinj 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
       xinh8 j yred8 j get   put
       yinh8 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
xinh8 9   1 put yinh8 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
         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
         xindj j yred j get put
         yindj j xred j get put
         } for %n=0,127
         } for %k=1,8

0 1 1023 {/j exch def %j=0,1023
          xrehj j xred j get 1023 mul put
          yrehj j yred j get 1023 mul put
          xinhj j yred j get put
          yinhj j xred j get put
          } for %j=0,1023
xredj 1024    1 put yred1 1024    1 put
xinhj 1024    1 put yinhj 1024    1 put
xrehj 1024 1023 put yrehj 1024 1023 put
xinhj 1024 1023 put yinhj 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 29 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
%*****************************************************
```

hec31–7n

TUB-test chart hec3; EPS-example code of eps images, see EPS code FLVLF 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-hec3/hec3l0n1.txt /.ps
application for evaluation and measurement of display or print output

TUB material: code=ha4ta