http://farbe.li.tu-berlin.de/hgc1/hgc1l0n1.txt /.ps; nur Vektorgrafik VG; Start-Ausgabe
Siehe separate Bilder dieser Seite: http://farbe.li.tu-berlin.de/hgc1/hgc1.htm

Siehe ähnliche Dateien der ganzen Serie: http://farbe.li.tu-berlin.de/hgcs.htm
Technische Information: http://farbe.li.tu-berlin.de oder http://color.li.tu-berlin.de

TUB-Registrierung: 20241001-hgc1/hgc1l0n1.txt /.ps
Anwendung für Beurteilung und Messung von Display- oder Druck-Ausgabe

TUB-Material: Code=rhadta

```
%*****************************************************
/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 Use 921-306:2018
%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 gammaGi indexGi 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
        xreh1 j j                                       put
        yreh1 j j 1023 div gamma exp 1023 mul cvi put
      } for %j=0,1023
/proc06_FF_LM_FLVGF {%BEG proc06_FF_LM_FLVGF            %BEG proc06_FF_LM_FLVGF
                     /yed xech def
                     /yeh yed 1023 mul cvi def
                     /xinh yreh1 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_$FLVGF 0 eq {1 FF_LM_cFLVGF sub 1 FF_LM_mFLVGF sub
                   1 FF_LM_yFLVGF sub FF_LM_setrgbcolorFLVGF}
                  {pop pop pop pop 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_rlFLVGF FF_LM_rBFLVGF proc06_FF_LM_FLVGF def
 /FF_LM_glFLVGF FF_LM_gBFLVGF proc06_FF_LM_FLVGF def
 /FF_LM_blFLVGF FF_LM_bBFLVGF proc06_FF_LM_FLVGF def
 FF_LM_rlFLVGF FF_LM_glFLVGF FF_LM_blFLVGF
 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
%*****************************************************
/indexGi 07 def %default for gamma=1.000
/iproc1MR 1 def %optional application example
iproc1MR 1 eq {%main Frame_File_Linearisation_Method (FF_LM) %Beispiel: kombinierte Prozedur
               proc00_1MR_FLVGF proc05_gammaG_xyreh} if
%*****************************************************
```

hgc10–7n

```
%*****************************************************
/proc00_7data_FLVGF {%BEG proc00_7data_FLVGF            %BEG proc01_7data_FLVGF
%The procedure proc00_7data_FLVGF is used only once in Global File
/VisexGi 09 array def %for the one real data of visual evaluation
/VisexGs 54 array def %for 6 different example data of visual evaluation
         %0   %1   %2   %3   %4   %5   %6   %7   %8   %Fi j
/VisexGx {0.000 0.015 0.040 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
       VisexGi j VisexGx indexGi 16 sub 9 mul j add get put
       } for %j=0,8
} def %END proc01_7data_FLVGF                           %END proc01_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
/xrehS 10 array def /yrehS 10 array def %re=real,     j=0,8
/xinhS 10 array def /yinhS 10 array def %in=invers, j=0,8
/xred1 10 array def /yred1 10 array def %re=real,     j=0,8
/xind1 10 array def /yind1 10 array def %in=invers, j=0,8
/xred2 1025 array def /yred2 1025 array def
/xind2 1025 array def /yind2 1025 array def

0 1 8 {/j exch def %j=0,8
       xredS j j 0.125 mul   put
       yredS j VisexGi j get put
       xindS j yredS j get   put
       yindS j xredS j get   put

       xrehS j xredS j get 255 mul put
       yrehS j yredS j get 255 mul put
       xinhS j yredS j get put
       yinhS j xredS j get put
       } for %j=0,8

xredS 9   1 put yredS 9   1 put
xindS 9   1 put yindS 9   1 put
xrehS 9 255 put yrehS 9 255 put
xinhS 9 255 put yinhS 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
         xred1 j j 1023 div put
         yred1 j yredS k 1 add get yredS k get sub
               n 128 div mul     yredS k get add put
         xind1 j yred1 j get put
         yind1 j xred1 j get put
       } for %n=0,127
       } for %k=1,8

0 1 1023 {/j exch def %j=0,1023
          xrehj j xred1 j get 1023 mul put
          yrehj j yred1 j get 1023 mul put
          xinhj j xind1 j get put
          yinhj j yind1 j get put
        } for %j=0,1023
xredj 1024   1 put yred1 1024   1 put
xindj 1024   1 put yind1 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 xech 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 gamma=1.000
/iproc1MR 1 def %optional application example
iproc1MR 1 eq {%main program Frame_File_Linearisation_Method (FF_LM) %Beispiel: kombinierte Prozedur
               proc00_1MR_FLVGF proc01_7data_FLVGF proc02_Visev_FLVGF} if
%*****************************************************
```

hgc11–7n

TUB-Prüfvorlage hgc1; EPS-Beispielcode von EPS-Bildern, siehe EPS-Code FLVGF in
http://farbe.li.tu-berlin.de/hgc0/hgc0l0np.txt und in Bildern http://farbe.li.tu-berlin.de/hgcs.htm