http://farbe.li.tu-berlin.de/hgc0/hgc0l0np.pdf /.ps; nur Vektorgrafik VG; Start-Ausgabe
Siehe separate Bilder dieser Seite: http://farbe.li.tu-berlin.de/hgc0/hgc0.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-hgc0/hgc0l0np.pdf /.ps
Anwendung für Beurteilung und Messung von Display- oder Druck-Ausgabe

TUB-Material: Code=rha4ta

```
%*****************************************************************
/proc05_gammaG_xyreh (%BEG proc05_gammaG_xyreh                  %BEG proc05_gammaL_xyreh
%BEG Global (G) gamma and calculation of 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 0.500 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
0 1 1023 {/j exch def %j=0,1023
          xreh j j                                    put
          yreh 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 exch def
                     /yeh yed 1023 mul cvi def
                     /xinh yreh yeh get def
                     xinh 1023 div                      %END proc06_FF_LM_FLVGF
                    } def %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_setgrbcolorG
          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_kFLVGF 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_bFLVGF exch def /FF_LM_gFLVGF exch def
 /FF_LM_rFLVGF exch def
 FF_LM_rFLVGF 0 le {/FF_LM_rFLVGF 0.0001 def} if
 FF_LM_gFLVGF 0 le {/FF_LM_gFLVGF 0.0001 def} if
 FF_LM_bFLVGF 0 le {/FF_LM_bFLVGF 0.0001 def} if
 /FF_LM_r1FLVGF FF_LM_rFLVGF proc06_FF_LM_FLVGF def
 /FF_LM_g1FLVGF FF_LM_gFLVGF proc06_FF_LM_FLVGF def
 /FF_LM_b1FLVGF FF_LM_bFLVGF 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}{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 proc05_gammaL_xyreh                          %END proc00_FF_LM_FLVGF
%*****************************************************************
/indexGi 07 def %default full 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 proc05_gammaG_xyreh} if
%*****************************************************************
```

hgc00−3n

```
%*****************************************************************
/proc05_gammaG_xyreh (%BEG proc05_gammaG_xyreh                  %BEG proc05_gammaL_xyreh
%BEG Local (L) gamma and calculation of 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 0.500 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
0 1 1023 {/j exch def %j=0,1023
          xreh j j                                    put
          yreh 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 exch def
                     /yeh yed 1023 mul cvi def
                     /xinh yreh yeh get def
                     xinh 1023 div                      %END proc06_FF_LM_FLVGF
                    } def %END proc06_FF_LM_FLVGF
} def %END proc05_gammaG_xyreh                          %END proc05_gammaL_xyreh
%*****************************************************************
/proc00_1MR_FLVGF (%BEG proc00_1MR_FLVGF                %BEG proc00_FF_LM_FLVGF
%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_kFLVLF 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_bFLVLF exch def /FF_LM_gFLVLF exch def
 /FF_LM_rFLVLF exch def
 FF_LM_rFLVLF 0 le {/FF_LM_rFLVLF 0.0001 def} if
 FF_LM_gFLVLF 0 le {/FF_LM_gFLVLF 0.0001 def} if
 FF_LM_bFLVLF 0 le {/FF_LM_bFLVLF 0.0001 def} if
 /FF_LM_r1FLVLF FF_LM_rFLVLF proc06_FF_LM_FLVLF def
 /FF_LM_g1FLVLF FF_LM_gFLVLF proc06_FF_LM_FLVLF def
 /FF_LM_b1FLVLF FF_LM_bFLVLF proc06_FF_LM_FLVLF def
 FF_LM_r1FLVLF FF_LM_g1FLVLF FF_LM_b1FLVLF
 FF_LM_setrgbcolorFLVLF0} def %END FF_LM_setrgbcolorFLVLF

/FF_LM_transferFLVLF (%BEG FF_LM_transferFLVLF          settransferG -> FF_LM_settransferG0
 {proc06_FF_LM_FLVLF}{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 proc05_gammaL_xyreh                          %END proc00_FF_LM_FLVLF
%*****************************************************************
/indexGi 07 def %default full 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_FLVLF proc05_gammaL_xyreh} if
%*****************************************************************
```

hgc00−4n

```
%*****************************************************************
/proc05_gammaG_xyreh (%BEG proc05_gammaG_xyreh                  %BEG proc05_gammaL_xyreh
%BEG Global (G) gamma and calculation of 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 0.500 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
0 1 1023 {/j exch def %j=0,1023
          xreh j j                                    put
          yreh 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 exch def
                     /yeh yed 1023 mul cvi def
                     /xinh yreh yeh get def
                     xinh 1023 div                      %END proc06_FF_LM_FLVGF
                    } def %END proc06_FF_LM_FLVGF
} def %END proc05_gammaG_xyreh                          %END proc05_gammaL_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_kFLVGF 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_bFLVGF exch def /FF_LM_gFLVGF exch def
 /FF_LM_rFLVGF exch def
 FF_LM_rFLVGF 0 le {/FF_LM_rFLVGF 0.0001 def} if
 FF_LM_gFLVGF 0 le {/FF_LM_gFLVGF 0.0001 def} if
 FF_LM_bFLVGF 0 le {/FF_LM_bFLVGF 0.0001 def} if
 /FF_LM_r1FLVGF FF_LM_rFLVGF proc06_FF_LM_FLVGF def
 /FF_LM_g1FLVGF FF_LM_gFLVGF proc06_FF_LM_FLVGF def
 /FF_LM_b1FLVGF FF_LM_bFLVGF 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}{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 proc05_gammaG_xyreh                          %END proc00_FF_LM_FLVGF
%*****************************************************************
0 1 20 {/indexGi exch def %loop for 21 Global gammaG values
/iproc1MR 1 def %optional application example
iproc1MR 1 eq {%main program Frame_File_Linearisation_Method (FF_LM)%Beispiel: kombinierte Prozedur
               proc00_1MR_FLVGF proc05_gammaG_xyreh} if
%*****************************************************************
```

hgc01−3n

```
%*****************************************************************
/proc05_gammaL_xyreh (%BEG proc05_gammaL_xyreh                  %BEG proc05_gammaL_xyreh
%BEG Local (L) gamma and calculation of 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 0.500 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
0 1 1023 {/j exch def %j=0,1023
          xreh j j                                    put
          yreh 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 exch def
                     /yeh yed 1023 mul cvi def
                     /xinh yreh yeh get def
                     xinh 1023 div                      %END proc06_FF_LM_FLVGF
                    } def %END proc06_FF_LM_FLVGF
} def %END proc05_gammaG_xyreh                          %END proc05_gammaL_xyreh
%*****************************************************************
/proc00_1MR_FLVGF (%BEG proc00_1MR_FLVGF                %BEG proc00_FF_LM_FLVGF
%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_kFLVLF 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_bFLVLF exch def /FF_LM_gFLVLF exch def
 /FF_LM_rFLVLF exch def
 FF_LM_rFLVLF 0 le {/FF_LM_rFLVLF 0.0001 def} if
 FF_LM_gFLVLF 0 le {/FF_LM_gFLVLF 0.0001 def} if
 FF_LM_bFLVLF 0 le {/FF_LM_bFLVLF 0.0001 def} if
 /FF_LM_r1FLVLF FF_LM_rFLVLF proc06_FF_LM_FLVLF def
 /FF_LM_g1FLVLF FF_LM_gFLVLF proc06_FF_LM_FLVLF def
 /FF_LM_b1FLVLF FF_LM_bFLVLF proc06_FF_LM_FLVLF def
 FF_LM_r1FLVLF FF_LM_g1FLVLF FF_LM_b1FLVLF
 FF_LM_setrgbcolorFLVLF0} def %END FF_LM_setrgbcolorFLVLF

/FF_LM_transferFLVLF (%BEG FF_LM_transferFLVLF          settransferG -> FF_LM_settransferG0
 {proc06_FF_LM_FLVLF}{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 proc05_gammaL_xyreh                          %END proc00_FF_LM_FLVLF
%*****************************************************************
0 1 20 {/indexGi exch def %loop for 21 Local gammaL values
/iproc1MR 1 def %optional application example
iproc1MR 1 eq {%main program Frame_File_Linearisation_Method (FF_LM)%Beispiel: kombinierte Prozedur
               proc00_1MR_FLVLF proc05_gammaL_xyreh} if
%*****************************************************************
```

hgc01−4n

```
%*****************************************************************
/proc07_7data_FLVGF (%BEG proc07_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 52 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_Visex_FLVGF (%BEG proc02_Visex_FLVGF                    %BEG proc02_Visex_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
/xred 1025 array def /yred 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 xreh8 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
         xred1 j j 1023 div put
         yred1 j yred8 k 1 add get yred8 k get sub
               n 128 div mul    yred8 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
          xreh1 j xred1 j get 1023 mul put
          yreh1 j yred1 j get 1023 mul put
          xinh1 j yred1 j get put
          yinh1 j xred1 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_Visex_FLVGF                                   %END proc02_Visex_FLVGF
%*****************************************************************
/proc00_FF_LM_FLVGF (%BEG proc00_FF_LM_FLVGF                    %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
%*****************************************************************
/indexGi 07 def %default full 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_Visex_FLVGF} if
%*****************************************************************
```

hgc00−7n

```
%*****************************************************************
/proc07_7data_FLVLF (%BEG proc07_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 52 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_Visex_FLVLF (%BEG proc02_Visex_FLVLF                    %BEG proc02_Visex_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
/xred 1025 array def /yred 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 xreh8 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
         xred1 j j 1023 div put
         yred1 j yred8 k 1 add get yred8 k get sub
               n 128 div mul    yred8 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
          xreh1 j xred1 j get 1023 mul put
          yreh1 j yred1 j get 1023 mul put
          xinh1 j yred1 j get put
          yinh1 j xred1 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_Visex_FLVLF                                   %END proc02_Visex_FLVLF
%*****************************************************************
/proc00_FF_LM_FLVLF (%BEG proc00_FF_LM_FLVLF                    %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_FLVLF                                         %END proc00_FF_LM_FLVLF
%*****************************************************************
/indexLi 20 def %default full 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_FLVLF proc01_7data_FLVLF proc02_Visex_FLVLF} if
%*****************************************************************
```

hgc00−8n

```
%*****************************************************************
/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 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] %7data, for manuel change
/a1 VisexEx 0 get def          %BEG calculation VisexFi (i=0,8) from 7data
/b1 a1 VisexEx 1 get mul def                %b1
/b2 a1 def                                  %b2
/b3 b1 b2 sub VisexEX 2 get mul b2 add def  %b3
/VisexGi 09 array def %for real data (i=0,8) of visual evaluation
VisexGi 0 b1 put
VisexGi 1 b1  0 sub VisexEi 3 get mul put   %c1
VisexGi 2 b1 put                            %c2
VisexGi 3 b2 b1 sub VisexEi 4 get mul b1 add put  %c3
VisexGi 4 b2 put                            %c4
VisexGi 5 b3 b2 sub VisexEi 5 get mul b2 add put  %c5
VisexGi 6 b3 put                            %c6
VisexGi 7  1 b3 sub VisexEi 6 get mul b3 add put  %c7
VisexGi 8 1 put
} def %END proc04_7data_FLVGF                                   %END proc04_7data_FLVGF
%*****************************************************************
/proc02_Visex_FLVGF (%BEG proc02_Visex_FLVGF                    %BEG proc02_Visex_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
/xred 1025 array def /yred 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 xreh8 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
         xred1 j j 1023 div put
         yred1 j yred8 k 1 add get yred8 k get sub
               n 128 div mul    yred8 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
          xreh1 j xred1 j get 1023 mul put
          yreh1 j yred1 j get 1023 mul put
          xinh1 j yred1 j get put
          yinh1 j xred1 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_Visex_FLVGF                                   %END proc02_Visex_FLVGF
%*****************************************************************
/proc00_FF_LM_FLVGF (%BEG proc00_FF_LM_FLVGF                    %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
%*****************************************************************
%default experimental, no gammaG value
/iproc1MR 1 def %optional application example
iproc1MR 1 eq {%main program Frame_File_Linearisation_Method (FF_LM)%Beispiel: kombinierte Prozedur
               proc00_1MR_FLVGF proc04_7data_FLVGF proc02_Visex_FLVGF} if
%*****************************************************************
```

hgc01−7n

```
%*****************************************************************
/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 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] %7data, for manuel change
/a1 VisexEx 0 get def          %BEG calculation VisexLi (i=0,8) from 7data
/b1 a1 VisexEx 1 get mul def                %b1
/b2 a1 def                                  %b2
/b3 b1 b2 sub VisexEX 2 get mul b2 add def  %b3
/VisexLi 09 array def %for real data (i=0,8) of visual evaluation
VisexLi 0 b1 put
VisexLi 1 b1  0 sub VisexEi 3 get mul put   %c1
VisexLi 2 b1 put                            %c2
VisexLi 3 b2 b1 sub VisexEi 4 get mul b1 add put  %c3
VisexLi 4 b2 put                            %c4
VisexLi 5 b3 b2 sub VisexEi 5 get mul b2 add put  %c5
VisexLi 6 b3 put                            %c6
VisexLi 7  1 b3 
```