```
%*****************************************************
/proc05_gammaG_xyreh {%BEG proc05_gammaG_xyreh          %BEG proc05_gammaG_xyreh
%BEG Global (G) gamma and calculation of xyreh_1024
/gammaGi 21 arry def
/gammaGi %rel: gamma according to ISO 9240-706:2018
%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 1.081 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
/xreh{ 1024 arry def /yreh{ 1024 arry def
/xinh{ 1024 arry def /yinh{ 1024 arry 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
          yreh[ j ] 1023 div gamma sup 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
                   } def %END proc06_FF_LM_FLVGF      %END proc06_FF_LM_FLVGF

} def %END proc05_gammaG_xyreh                       %END proc05_gammaG_xyreh
%*****************************************************
/proc00_1MR_FLVF {%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_setgrbcolorFLVGF0 {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_setgrbcolorG
/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}
                  {0 FF_LM_cFLVGF sub dup dup
                   FF_LM_setrgbcolorFLVGF} ifelse
 } def %END procedure setcmykcolorFLVGF

/setrgbcolor {%BEG procedure setrgbcolorFLVGF         setrgbcolor -> FF_LM_setgrbcolorG
 /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_rFLVGF FF_LM_rFLVGF proc06_FF_LM_FLVGF def
 FF_LM_gFLVGF FF_LM_gFLVGF proc06_FF_LM_FLVGF def
 FF_LM_bFLVGF FF_LM_bFLVGF proc06_FF_LM_FLVGF def
 FF_LM_rFLVGF FF_LM_gFLVGF FF_LM_bFLVGF
 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_FLVF                            %END proc00_FF_LM_FLVGF
%*****************************************************
0 1 20 {//indexGi exch def %loop for 21 Global gamma6 values
/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 ....
%*****************************************************
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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
/VisieVei 07 array def %for real data (i=0,6) of visual evaluation
%0,m08 1,m04 2,m02 3,e00 4,e02 5,e04 6,e08 7,%indexG
[0.500  0.500 0.500 0.500 0.500 0.500 0.500] %7data, for manuel change
/a1 VisieVei 0 get def    %BEG calculation VisieVei (i=0,8) from 7data
/b1 a1 VisieVei 1 get mul def                         %b1
/b2 a1 def                                            %b2
/b3 1 b2 sub VisieVei 2 get mul b2 add def            %b3
/VisieGi 09 array def %for real data (i=0,8) of visual evaluation
VisieGi 0 0 put
VisieGi 1 b1  0 sub VisieVei 3 get mul put            %c1
VisieGi 2 b1 put                                      %c2
VisieGi 3 b2 b1 sub VisieVei 4 get mul b1 add put     %c3
VisieGi 4 b2 put                                      %c4
VisieGi 5 b3 b2 sub VisieVei 5 get mul b2 add put     %c5
VisieGi 6 b3 put                                      %c6
VisieGi 7  1 b3 sub VisieVei 6 get mul b3 add put     %c7
VisieGi 8 1 put
} def %END proc04_7data_FLVGF                         %END proc04_7data_FLVGF
%*****************************************************
/proc02_Visey_FLVGF {%BEG proc02_Visey_FLVGF          %BEG proc02_Visey_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
/xredB 10 array def /yredB 10 array def %re=real,    j=0,8
/xindB 10 array def /yindB 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
       xredB j  0.125 mul   put
       xredB j VisieVei j get   put
       xindB j yredB j get   put
       yindB j xredB j get   put

       xreh8 j xredB j get 255 mul put
       yreh8 j yredB j get 255 mul put
       xinh8 j yredB j get   put
       yinh8 j xredB j get   put
      } for %j=0,8

xredB 9   1 put yredB 9   1 put
xindB 9   0 put yindB 9   0 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 yredB k 1 add get yredB k get sub
                  n 128 div mul     yredB 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=0,1024
         xreh[ j xredj j get 1023 mul put
         yreh[ j yredj j get 1023 mul put
         xinh[ j yredj j get put
         yinh[ j xredj j get put
        } for %j=0,1023
xredj 1024   1 put yredj 1024   1 put
xindj 1024   0 put yindj 1024   0 put
xreh[ 1024 1023 put yreh[ 1024 1023 put
xinh[ 1024 1023 put yinh[ 1024 1023 put
} def %END proc01_Visey_FLVGF                         %END proc02_Visey_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
%*****************************************************
%default experimental, no gamma6 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_Visey_FLVGF} if
%*****************************************************
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