```
%**************************************************
/proc05_gammal_xyreh {%BEG proc05_gammal_xyreh      %BEG proc05_gammal_xyreh
%BEG Local (L) gamma and calculation of xyreh_1024
/gammaLi 21 array def
/gammaLi %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 1.001 1.176 1.290 1.423 1.600 1.818 2.105
%16  17  18  19  20
 2.000 0.500 1.500 0.666 1.000] def

/gamma gammaLi indexFi 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 } 1023 div gamma exp 1023 mul cvi put  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 yreh yeh get def
                     xinh 1023 div
                    } def %END proc06_FF_LM_FLVLF      %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_setrgbcolorFLVLF0}
                  {1 FF_LM_cFLVLF sub  1 FF_LM_mFLVLF sub  1 FF_LM_yFLVLF sub
                   FF_LM_setrgbcolorFLVLF0} 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_setrgbcolorFLVLF0
 } 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_rFLVLF FF_LM_rFLVLF proc06_FF_LM_FLVLF def
 /FF_LM_gFLVLF FF_LM_gFLVLF proc06_FF_LM_FLVLF def
 /FF_LM_bFLVLF FF_LM_bFLVLF proc06_FF_LM_FLVLF def
 FF_LM_rFLVLF FF_LM_gFLVLF FF_LM_bFLVLF
 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)  %Beispiel: kombinierte Prozedur
               proc00_1MR_FLVLF proc05_gammaL_xyreh} if ....
%**************************************************
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hgc30–7n

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%**************************************************
/proc00_7data_FLVLF {%BEG proc00_7data_FLVLF        %BEG proc01_7data_FLVLF
%The procedure proc01_7data_FLVLF is used only once in Local File
/VisexLi 99 array def %for the one real data of visual evaluation
/VisexLx [0 0 0 0 0 0 0] 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 0.444 0.594 0.707 0.794 0.866 0.927 0.979 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 14 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 experimental 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
/xredj 1025 array def /yredj 1025 array def
/xinj 1025 array def /yinj 1025 array def

0 1 8 {/j exch def %j=0,8
       xreh8 j 9 0.125 mul  put
       xreh8 j VisexLi j get put
       xinh8 j yreh8 j get  put
       yinh8 j xreh8 j get  put

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

xreh8 9   1 put yreh8 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
         xredj j 1023 div put
         yredj j yreh8 k 1 add get yreh8 k get sub
                  n 128 div mul     yreh8 k get add put
         xinj j yredj j get put
         yinj j xredj j get put
        } for %n=0,127
       } for %k=1,8

0 1 1023 {/j exch def %j=0,1023
          xreh{ j xredj j get 1023 mul put
          yreh{ j yredj j get 1023 mul put
          xinh{ j xinj j get put
          yinh{ j xinj j get put
        } for %j=0,1023
xredj 1023   1 put yredj 1024   1 put
xinj 1024    1 put yinj 1024    1 put
xreh{ 1024 1023 put yreh{ 1024 1023 put
xinh{ 1024 1023 put yinh{ 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_FLVLF                             %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)  %Beispiel: kombinierte Prozedur
               proc00_1MR_FLVLF proc01_7data_FLVLF proc02_Visev_FLVLF} if
%**************************************************
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hgc31–7n