```
%*************************************************
/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 1.081 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 gammali indexFi get def
/xreh[ 1024 array def /yreh[ 1024 array def
/xinhj 1024 array def /yinhj 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
          yreh[ j ] 1023 div gamma exp 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 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_setgrbcolorFLVLF0 (setgrbcolor) 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_setgrbcolorG
          dup dup FF_LM_setrgbcolorFLVLF
        } def %END procedure setgrayFLVLF

/setcmykcolor {%BEG procedure setcmykcolorFLVLF     setcmykcolor -> FF_LM_setgrbcolorG
/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_kFLVLF sub dup dup
                   FF_LM_setrgbcolorFLVLF0} ifelse
 } def %END procedure setcmykcolorFLVLF

/setrgbcolor {%BEG procedure setrgbcolorFLVLF       setrgbcolor -> FF_LM_setgrbcolorG
 /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_setrgbcolorG0 -> FF_LM_setrgbcolorG1
 /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
%*************************************************
0 1 20 {//index1 exch def %loop for 21 Local gammal values
/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 ....
%*************************************************
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%*************************************************
/proc04_7data_FLVLF {%BEG proc04_7data_FLVLF        %BEG proc04_7data_FLVLF
%The procedure proc04_7data_FLVLF is used only once in local File
%VisevLi 07 array def %for real data (i=0,6) of visual evaluation
%0,008 1,424 2,840 4,256 5,672 7,088 8,504 9,920 %indexLi
[0.500  0.500 0.500 0.500 0.500 0.500 0.500] %7data, for manuel change
/a1 VisevLi 8 get def  %BEG calculation VisevLi (i=0,8) from 7data
/b1 a1 VisevLe 1 get mul def                        %b1
/b2 a1 def                                          %b2
/b3 1 b2 sub VisevLe 2 get mul b2 add def            %b3
/VisevLi 09 array def %for real data (i=0,8) of visual evaluation
VisevLi 0 0 put
VisevLi 1 b1  0 sub VisevLi 3 get mul put            %c1
VisevLi 2 b1 put                                     %c2
VisevLi 3 b2 b1 sub VisevLi 4 get mul b1 add put     %c3
VisevLi 4 b2 put                                     %c4
VisevLi 5 b3 b2 sub VisevLi 5 get mul b2 add put     %c5
VisevLi 6 b3 put                                     %c6
VisevLi 7  1 b3 sub VisevLi 6 get mul b3 add put     %c7
VisevLi 8 1 put
} def %END proc04_7data_FLVLF                        %END proc04_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
/xrej 1025 array def /yrej 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
/xrej 1025 array def /yrej 1025 array def
/xinj 1025 array def /yinj 1025 array def
0 1 8 {/j exch def %j=0,8
       xredB j 0.125 mul  put
       yredB j VisevLi 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 yreh8 j get put
       yinh8 j xreh8 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
         xrej j j 1023 div put
         yrej j yredB k 1 add get yredB k get sub
                n 128 div mul     yredB k get add put
         xinj j yrej j get put
         yinj j xrej j get put
        } for %n=0,127
       } for %k=1,8

0 1 1023 {/j exch def %j=0,1024
          xreh[ j xrej j get 1023 mul put
          yreh[ j yrej j get 1023 mul put
          xinh[ j yrej j get put
          yinh[ j xrej j get put
         } for %j=0,1023
xrej 1024   1 put yrej 1024   1 put
xinj 1024   0 put yinj 1024   0 put
xreh[ 1024 1023 put yreh[ 1024 1023 put
xinh[ 1024 1023 put yinh[ 1024 1023 put
} def %END proc02_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
%*************************************************
%default: experimental, no gammal value
/iproc1MR 1 def %optional application example
iproc1MR 1 eq {%main program Frame_File_Linearisation_Method (FF_LM)  %Example: combined procedure
               proc00_1MR_FLVLF proc04_7data_FLVLF proc02_Visev_FLVLF} if
%*************************************************
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