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%*****
/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 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
/xrehj 1024 array def /yrehj 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
xrehj j j put
yrehj 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 yrehj 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
%*****
/main proc00_LMR_FLVGF {%BEG proc00_LMR_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_b0FLVGF exch def /FF_LM_g0FLVGF exch def
/FF_LM_r0FLVGF exch def
FF_LM_r0FLVGF 0 le {/FF_LM_r0FLVGF 0.0001 def} if
FF_LM_g0FLVGF 0 le {/FF_LM_g0FLVGF 0.0001 def} if
FF_LM_b0FLVGF 0 le {/FF_LM_b0FLVGF 0.0001 def} if
/FF_LM_r1FLVGF FF_LM_r0FLVGF proc06_FF_LM_FLVGF def
/FF_LM_g1FLVGF FF_LM_g0FLVGF proc06_FF_LM_FLVGF def
/FF_LM_b1FLVGF FF_LM_b0FLVGF 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}
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_LMR_FLVGF %END proc00_FF_LM_FLVGF
%*****
0 1 20 {/indexGi exch def %loop for 21 Global gammaG values
/iproclMR 1 def %optional application example
iproclMR 1 eq {%main Frame_File_Linearisation_Method (FF_LM) %Beispiel: kombinierte Prozedur
proc00_LMR_FLVGF proc05_gammaG_xyreh} if
%*****

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