

```

%*****
%BEG Frame File Linearization Method FF_LM, real (re), invers (in), hex (h), decimal (d)
/xdd 050 def /ydd 133 def          %x-position and line difference
TBL 0 setgray                      %font, size and black color
xdd 3820 moveto                    %top position and table text
(Table xyreh_256 for fast calculation of inverse data xyinh256) show
%*****
/xrehj 257 array def /yrehj 257 array def %real data hex (h)
/xredj 257 array def /yredj 257 array def %real data decimal (d)
/xinhj 257 array def /yinhj 257 array def %inverse (in) data hex (h)
/xindj 257 array def /yindj 257 array def %invers (in) data decimal (d)
TBV /yw0 3650 def                  %font, size, position
xdd yw0 moveto
(Table xreh_yred_256, real data in hex (h, 0:255) for output linearization, ) show
1 0 0 setrgbcolor (gamma=) show gamma cvsshow3g 0 setgray

```

Main Table text

Sub Table text

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%procedure for transfer xrehj, yrehj -> xinhj, yinhj
%use of the table data xyreh256 (h=hex) of real values (reh) with gamma
/FF_LM_xchart_gammaF {%BEG /FF_LM_xchart_gammaF 240715
  /yreh exch def %0<= yreh <=255
  xinhj j yrehj yreh get put %invers data yrehj->xinhj
  yinhj j xrehj yreh get put %invers data xrehj->yinhj
  yinhj j get %output of yinhj
} def %END /FF_LM_xchart_gammaF 240715

```

%Application of FF\_LM\_xchart\_gammaF and output

```

TW /yw1 yw0 1.1 ydd mul sub def
0 1 255 {/j exch def %j=0,256
  xrehj j get FF_LM_xchart_gammaF
  %available now xinhj, yinhj
  xindj j xinhj j get 255 div put
  yindj j yinhj j get 255 div put
  /j0 j 10 idiv def /jd j j0 10 mul sub def
  xdd jd 600 mul add yw1 j0 ydd mul sub moveto
  xinhj j get cvishow ( ) show yinhj j get cvishow
} for

```

xdd 050 moveto

(For gamma=1 and j=0,255: xinhj=yinhj=xrehj=yrehj=j) show  
(similar for decimal values xindj=yindj=xredj=yredj=yinhj/255) show

%END Frame File Linearization Method FF\_LM, real (re) hex (h) and decimal (d)

%\*\*\*\*\*

This example EPS code is used in  
<http://color.li.tu-berlin.de/ges8/ges81-7n.txt>  
<http://color.li.tu-berlin.de/ges8/ges81-7n.pdf>

Output xinhj, yinhj