

%*****
 Beispiel-EPS-Code für EPS-Bilder, vergleiche
<http://farbe.li.tu-berlin.de/fgk9/fgk9fp0.txt>
<http://farbe.li.tu-berlin.de/fgk9/fgk9fp0.pdf>

/Visev_FLVGF (%BEG procedure Visev_FLVGF for application of visual data
 %With the method Fast Linear Visual Local File (FLVGF)

```

/indexGi 09 array def %for the one real data of visual evaluation
/indexGx 54 array def %for 6 different example data of visual evaluation
/VisevGx [0.000 0.015 0.062 0.140 0.250 0.390 0.562 0.765 1.000 %F1 j
0.000 0.353 0.500 0.612 0.707 0.790 0.866 0.935 1.000 %17 17 gamma=2,0
0.000 0.044 0.125 0.229 0.353 0.494 0.649 0.818 1.000 %18 26 gamma=1,5
0.000 0.044 0.125 0.229 0.353 0.494 0.649 0.818 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 44 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
 VisevGi j VisevGx indexGi 16 sub 9 mul j add get put
 } for %j=0,8
 Auswahl der visuellen Bewertung
 Beispiele: 16 <= indexGi <= 21

```

/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
/xrehj 1025 array def /yrehj 1025 array def
/xinhj 1025 array def /yinhj 1025 array def
/xred8 10 array def /yred8 10 array def %re=real, j=0,8
/xind8 10 array def /yind8 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
 xred8 j 0.125 mul put
 yred8 j VisevF1 j get put
 xind8 j yred8 j get put
 yind8 j xred8 j get put
 xreh8 j xred8 j get 255 mul put
 yreh8 j yred8 j get 255 mul put
 xinh8 j yreh8 j get put
 yinh8 j xreh8 j get put
 } for %j=0,8
 Berechnung der Tabelle xyreh_0009

```

xred8 9 001 put yred8 9 001 put xind8 9 001 put yind8 9 001 put
xreh8 9 255 put yreh8 9 255 put xinh8 9 255 put yinh8 9 255 put

```

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 %j=0,1023
 xredj j 1023 div put
 yredj j yred8 k 1 add get yred8 k get sub
 n 128 div mul yred8 k get add put
 xindj j yredj j get put
 yindj j xredj j get put
 } for %n=0,127
 } for %k=1,8
 Berechnung der Tabelle xyreh_1024

```

0 1 1023 {/j exch def %j=0,1023
xrehj j xredj j get 1023 mul put
yrehj j yredj j get 1023 mul put
xinhj j yredj j get put
yinhj j xredj j get put
} for %j=0,1023

```

```

xredj 1024 0001 put yredj 1024 0001 put xindj 1024 0001 put yindj 1024 0001 put
xrehj 1024 1023 put yrehj 1024 1023 put xinhj 1024 1023 put yinhj 1024 1023 put
} def %END procedure Visev_FLVGF for application of visual data

```

```

/FF_LM_xchartg_gammaG (%BEG procedure FF_LM_xchartg_gammaG
/yed exch def
/yeh yed 1023 mul cvi def
/xinh yrehj yeh get def
xinh 1023 div
) def %END procedure FF_LM_xchartg_gammaG
  Anwendung der Tabelle xyreh_1024
  für die Linearisierungsmethode
  der inversen linearisierten Ausgabe.

```

%indexGi=20 may be changed here only once in the Global File (GF)
 /indexGi 20 def %default for gamma=1

%The procedure Visev_FLVGF is used only once in the Global File
 %The procedure 1MR-000GF, see geu91-7n, is used only once in the Global File
 %The procedure FF_LM_xchartg_gammaG is used for any rgb data set in Global File

```

/iproc1MR 1 def
%Test if 1MR-000GF is available, then use this procedure
%/1MR-000GF where {pop Visev_FLVGF 1MR-000GF}{Visev_FLVGF 1MR-000LF} ifelse
iproc1MR 1 eq {Visev_FLVGF 1MR-000GF} if

```

%*****