

```
*****
!BEG Frame File Linearization Method FF_LM, real (re) h (h) and decimal (d)
0 0 moveto
0 0 6000 0 rlineto 0 4000 rlineto
-6000 0 rlineto closepath stroke
relative square
!Example-EPS-Code ist benutzt in
http://farbe.li.tu-berlin.de/ggs8/ggs81-3a.txt
http://farbe.li.tu-berlin.de/ggs8/ggs81-3a.txt
/xdm 050 def /ydm 138 def
!x-position and line color
!font, size and black color
!x-y position and table text
(Table xyreh_256 in hex (h:0:255) between xrehj and yrehj, j=0 to 255) show
Haupttabletext
/xrehj 257 array def /yrehj 257 array def
/xredj 257 array def /yredj 257 array def
/xinhj 257 array def /yinhj 257 array def
/xindj 257 array def /yindj 257 array def
!real data hex (h)
!real data decimal (d)
!inverse data hex (h)
!inverse data decimal (d)
/gamma 2,000 def
!possible gamma changes: 1.0 -> 2.0, 0.5, 1.5, 0.667
!calculation of the table xyreh256 (h=hex) of 256 values in x and y, 255 with gamma
0 1 255 { /j exch def /j-0,255
xrehj } put
xrehj } } 255 div put
yrehj } } 255 div put
yrehj } j get 255 mul cvi put
xrehj } j-0,255
} } }
TW /ywl 3650 def add yw0 moveto
!font, size, position
!Table xyreh_256, basin real data in hex (h:0:255) between x and y, 1 show
1 0 0 setrgbcolor (gamma-) show gamma cvtshoww 0 setgray gamma value in red
Teiltabletext
TW /ywl yw0 1.1 ydd mul sub def
!font, size, position
0 1 255 { /j exch def /j-0,255
/j 0 10 idiv def
/jd j 10 mul sub def
add jd 600 mul add yw1 j0 ydd mul sub moveto
xrehj } get cvtshoww /j show yrehj } j show
} } }
!BEG Frame File Linearization Method FF_LM, real (re) h (h) and decimal (d)
*****
ggs90-3a
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**Tabelle xyreh\_256, hex (h:0:255) zwischen xrehj & yrehj, j=0 bis 255**

```
Tabelle xyreh_256, reale Basistaten hex (h:0:255) zwischen x und y, gamma=2,000
0 0 1 0 2 0 3 0 4 0 5 0 6 0 7 0 8 0 9 0
10 0 11 0 12 0 13 0 14 0 15 0 16 1 17 1 18 1 19 1
20 1 21 1 22 1 23 2 24 2 25 2 26 2 27 2 28 3 29 3
30 3 31 3 32 4 33 4 34 4 35 4 36 5 37 5 38 5 39 5
40 6 41 6 42 6 43 7 44 7 45 7 46 8 47 8 48 9 49 9
50 9 51 10 52 10 53 11 54 11 55 11 56 12 57 12 58 13 59 13
60 14 61 14 62 15 63 15 64 16 65 16 66 17 67 17 68 18 69 18
70 19 71 19 72 20 73 20 74 21 75 22 76 22 77 23 78 23 79 24
80 25 81 25 82 26 83 27 84 27 85 28 86 29 87 29 88 30 89 31
90 31 92 32 93 33 94 34 95 35 96 36 97 36 98 37 99 38
100 39 101 40 102 40 103 41 104 42 105 43 106 44 105 45 106 46
110 47 111 48 112 49 113 50 114 50 115 51 116 52 117 53 118 54 119 55
120 56 121 57 122 58 123 59 124 60 125 61 126 62 127 63 128 64 129 65
130 66 131 67 132 68 133 69 134 70 135 71 136 72 137 73 138 74 139 75
140 76 141 77 142 79 143 80 144 81 145 82 146 83 147 84 145 85 147 86
150 88 151 89 152 90 153 91 154 93 155 94 156 95 157 96 158 97 159 99
160 100 161 101 162 102 163 104 164 105 166 108 169 109 168 110 169 112
170 113 171 114 172 116 173 117 174 118 175 120 176 121 172 124 179 125
180 127 181 128 182 129 183 131 184 132 185 134 186 135 187 137 188 139 140
190 141 191 143 192 144 193 146 194 147 195 149 196 150 197 152 198 153 199 155
200 156 201 158 202 160 203 161 204 163 205 164 206 166 207 168 209 169 209 171
210 172 211 174 212 176 213 177 214 179 215 181 216 182 217 184 218 186 219 188
220 189 221 191 222 193 223 195 224 196 225 198 226 200 227 202 208 203 229 205
230 207 231 209 232 211 233 212 234 214 235 216 237 218 238 232 239 234 235
240 245 241 247 242 249 243 251 244 243 245 245 246 247 249 248 241 249 243
250 245 251 247 242 249 243 251 244 253 245 255
Für gamma=2 und j=0 bis 255: xrehj-yrehj, yrehj-xinhj, xrehj-xredj/255
ggs91-3n
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*****
!BEG Frame File Linearization Method FF_LM, real (re) inverse (in), hex (h), decimal (d)
/xdm 050 def /ydm 133 def
!x-position and line difference
!font, size and table text
add 3820 moveto
!top position and table text
(Table xyinh_256 produced by FF_LM_xchart_gamma from xyreh_256) show
Haupttabletext
/xrehj 257 array def /yrehj 257 array def
/xredj 257 array def /yredj 257 array def
/xinhj 257 array def /yinhj 257 array def
/xindj 257 array def /yindj 257 array def
!real data hex (h)
!real data decimal (d)
!inverse (in) data hex (h)
!inverse (in) data decimal (d)
TW /ywl 3650 def add yw0 moveto
!font, size, position
!Table xyinh_256, inverse data in hex (h:0:255) for xyreh_256 (h:0:255), ) show,
1 0 0 setrgbcolor (gamma-) show gamma cvtshoww 0 setgray
!Procedure for transfer xrehj, yrehj -> xinhj, yinhj
!Use of the table data xyreh256 (h=hex) of real values (reh) with gamma
FF_LM_xchart_gamma (BEG FF_LM_xchart_gamma 240715
/yreh each def /h= yreh
xinhj } yrehj yreh get put
xinhj } xrehj yreh get put
xinhj } xrehj yinh get put
xinhj } yrehj yinh get put
) } } }
!def !BEG FF_LM_xchart_gamma 240715
Application of FF_LM_xchart_gamma and output
TW /ywl yw0 1.1 ydd mul sub def
0 1 255 { /j exch def /j-0,255
xrehj } get FF_LM_xchart_gamma
!Example-EPS-Code ist benutzt in
http://farbe.li.tu-berlin.de/ggs8/ggs81-7a.txt
http://farbe.li.tu-berlin.de/ggs8/ggs81-7a.txt
/xdm 127 def /ydm 138 def
!font, size and black color
!x-y position and table text
add jd 600 mul add yw1 j0 ydd mul sub moveto
xinhj } get cvtshoww /j show yrehj } j show
} } }
Für gamma=2 und j=0:255: xinhj-yrehj, yinhj-xrehj=1, ) show
!similar for decimal values xinhj-yrehj, yinhj-xredj(xrehj/255) show
!BEG Frame File Linearization Method FF_LM, real (re) h (h) and decimal (d)
*****
ggs90-7n
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**Tabelle xyinh\_256 erzeugt mit FF\_LM\_xchart\_gamma und xyreh\_256**

```
Tabelle xyinh_256, inverse Daten hex (h:0:255) zu xyreh_256 (h:0:255), gamma=2,000
0 0 0 1 0 2 0 3 0 4 0 5 0 6 0 7 0 8 0 9 0
1 0 0 11 0 12 0 13 0 14 0 15 0 16 1 17 1 18 1 19 1
2 0 1 21 1 22 2 23 2 24 2 25 2 26 2 27 2 28 3 29 3
3 30 3 31 3 32 4 33 4 34 4 35 4 36 5 37 5 38 5 39 5
4 60 6 41 6 42 7 43 7 44 7 45 8 46 8 47 9 48 9 49 9
5 90 10 51 10 52 11 53 11 54 11 55 12 56 12 57 13 58 13 59 13
6 140 14 61 15 62 16 63 16 64 16 65 17 66 17 67 18 68 18 69 18
7 190 19 71 20 72 20 73 21 74 22 75 22 76 23 77 23 78 24 79 24
8 240 25 81 26 82 27 83 27 84 28 85 28 86 29 87 29 88 30 89 31
9 290 32 91 33 92 33 93 34 94 35 95 36 96 37 97 37 98 38 99 39
10 390 40 101 40 102 41 103 42 104 43 105 44 106 45 107 46 108 46 109
11 490 48 111 49 112 50 113 50 114 51 115 52 116 53 117 54 118 55 119
12 590 57 121 58 122 59 123 60 124 61 125 62 126 63 127 64 128 65 129
13 690 66 131 67 132 68 133 69 134 70 135 71 136 72 137 73 138 74 139 75
14 790 74 141 75 142 76 143 77 144 78 145 79 146 80 147 81 148 82 149 83
15 890 83 151 84 152 85 153 86 154 87 155 88 156 89 157 90 158 91 159
16 1090 101 161 102 162 104 163 105 164 106 165 107 168 109 167 110 168 112 169
17 1190 110 171 112 173 114 175 117 118 119 120 171 122 173 124 175 126 177
18 1290 128 181 129 182 131 183 132 184 135 186 137 188 139 188 140 189
19 1490 143 191 144 192 146 193 147 194 149 195 196 197 198 199 199 200 201
20 1590 158 201 160 202 161 203 163 204 164 205 166 206 168 207 169 208 171 209
21 1790 171 211 172 213 174 215 177 218 179 220 181 212 182 214 185 218 189 219
189 220 191 221 193 222 195 223 196 224 198 225 200 226 202 223 203 228 205 229
220 230 231 231 232 232 233 234 235 236 237 238 239 239 239 240 241 242 243 244
225 240 227 241 229 242 231 243 234 235 244 235 245 237 246 239 241 242 243 244
245 240 247 241 249 242 251 243 253 245 245 245
Für gamma=2 und j=0 bis 255: xinhj-yrehj, yinhj-xrehj, ähnlich für dezimale Werte xinhj-yrehj, yinhj-xredj(xrehj/255)
ggs91-7n
```