

Change of the display output by absolute or relative gamma

IEC 61966-2-1 defines an absolute gamma g_a .

ISO 9241-306 defines a relative gamma $g_p = g_a / 2,4$.

If gamma is decreasing, then display output appear lighter.

The computer operating system *Mac OS X V10.7.5*

allows a steering of the display output by the following options:

Apple, System Proferences, Display, Color, Calibrate, Expert Mode

After several *Continue* there is a ruler *Target Gamma*.

The Gamma can be changed continuously between

the absolute Gamma $g_a=1,0$ and $g_a=2,6$.

Then the contrast of the display output changes from low to high.

ISO 9241-306 defines the correponding contrast steps

$C_{YP1,00}$ for $g_a=1,2$ or $g_p=0,50$, see Grab file AEX10-3N.PDF

$C_{YP3,25}$ for $g_a=1,6$ or $g_p=0,67$, see Grab file AEX10-7N.PDF

$C_{YP5,50}$ for $g_a=2,0$ or $g_p=0,83$, see Grab file AEX11-3N.PDF

$C_{YP8,00}$ for $g_a=2,4$ or $g_p=1,00$, see Grab file AEX11-7N.PDF

The application "Grap" shows **not** the display-output change.