

Gernot Hoffmann

Spot Function for Offset and Toner Printers

PostScript Round Spot

Consider each layer C,M,Y,K as a gray layer: different gray values are generated by different sizes and shapes of black spots in the printer raster.

A raster spot is generated by the intersection of the so called spot function $z(x,y) = 0.5 [\cos(\pi x) + \cos(\pi y)]$ and a plane. Large spots appear as nearly round white areas on the black background.

The spot function defines the area, but the spot has to be created by a spiral scan, starting in the middle. Fuzzy single dot lines should be avoided.

Last update April 30 / 2006.

Settings for Acrobat

Edit / Preferences / General / Page Display (since version 6)

Custom Resolution 72 dpi / Zoom 100%

Edit / Preferences / General / Color Management (full version)

sRGB

EuroscaleCoated or ISOCoated or SWOP

GrayGamma 2.2

Spot Function for Offset and Toner Printers

