COLORS

2002

22-141 22-142 22-144

AMPAD

Monochrone - 2 colors RGB streme for monitors additive primeries CYM scheme for hardcopies subtractive primaries

Schemes for reducing numbers of colors/grayscale

Graycele - various interities of white (closer to color than monochrome)
- higher resolution (used in spy satellites)

Went to make pixels small (.39 mm -> .28 mm std)

Halftones - newspapers - series of black dots varying in size

How to print a color image using a B/W printer?

-> threshold value above -> black, below - white

- dithering - ordered dither - trade resolution for intersities

form 4 pixels into 1











what if image is one pixel wide? (e.g. fonts) - small details get cut to pieces

dithering patterns are square - 10 colors - 3x3 and all Ois







- work mutilation

color image -> B/W printer or to reduce # of colors

-not employed going from 3 byte color to 1 byte (map to closest)

How about going to 2-bit color? (only 2 wolors of a time)

*TEST QUESTIOL

















add up all colon, divide by # pixels -> use these as thresholds.