

Image Resolutions

CS418 Computer Graphics

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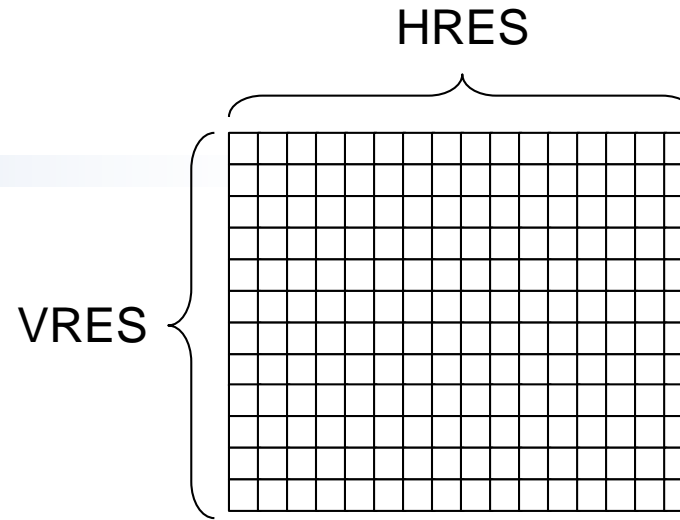
Raster Images

- 2-D Array of Color Values
- Spatial Resolution: $\text{HRES} \times \text{VRES}$
- Color Resolution (bits per pixel)

1 bpp: 0 1

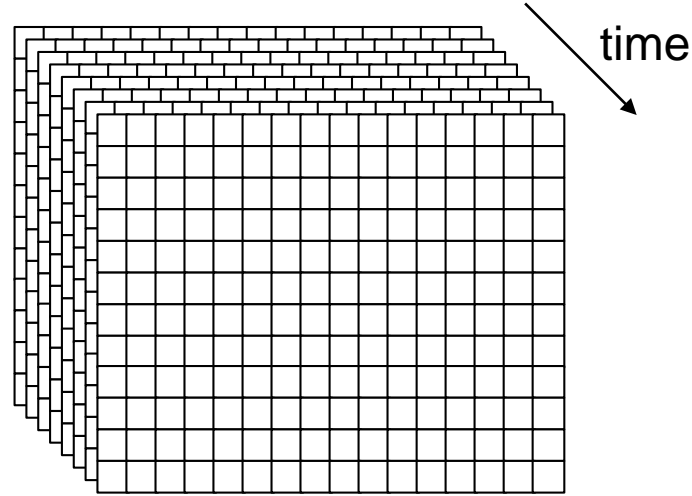
8 bpp: = 11101101

24 bpp: = #FF6D55



Raster Images

- 2-D Array of Color Values
- Spatial Resolution: $HRES \times VRES$
- Color Resolution (bits per pixel)
- Temporal Resolution (frames per sec.)



Raster Images

- 2-D Array of Color Values
- Spatial Resolution: $HRES \times VRES$
- Color Resolution (bits per pixel)
- Temporal Resolution (frames per sec.)
- Interlace

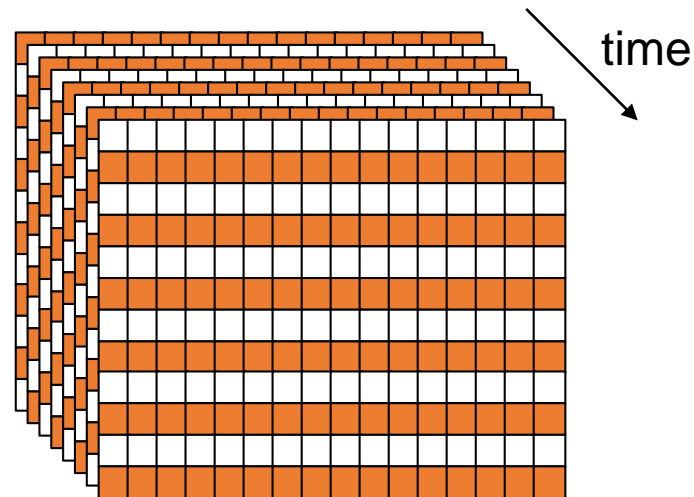
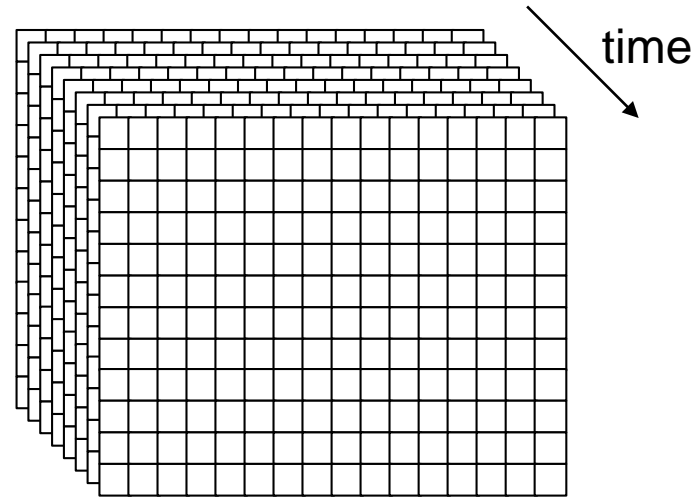
Odd scan lines (one field)

Even scan lines (other field)

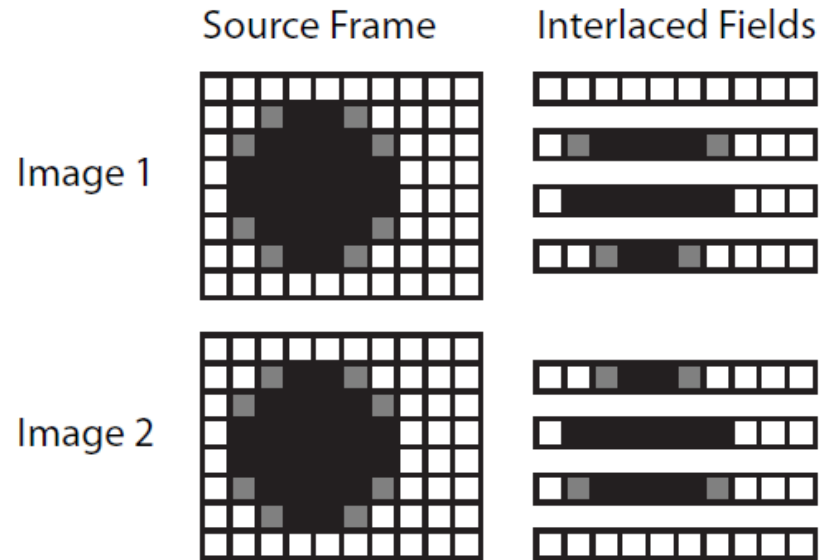
Repeat

Doubles temporal resolution

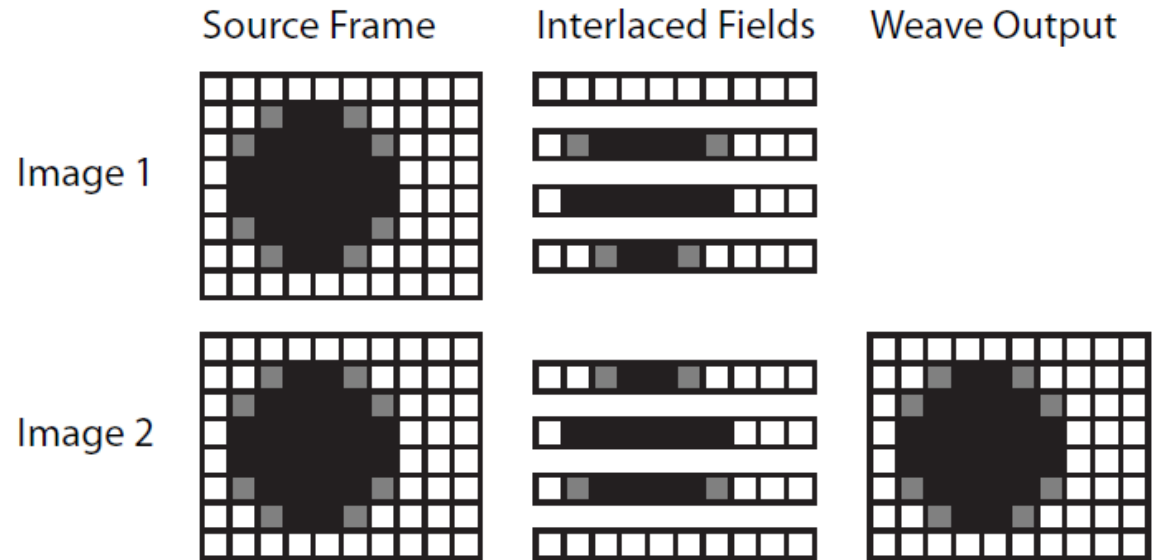
Halves spatial resolution



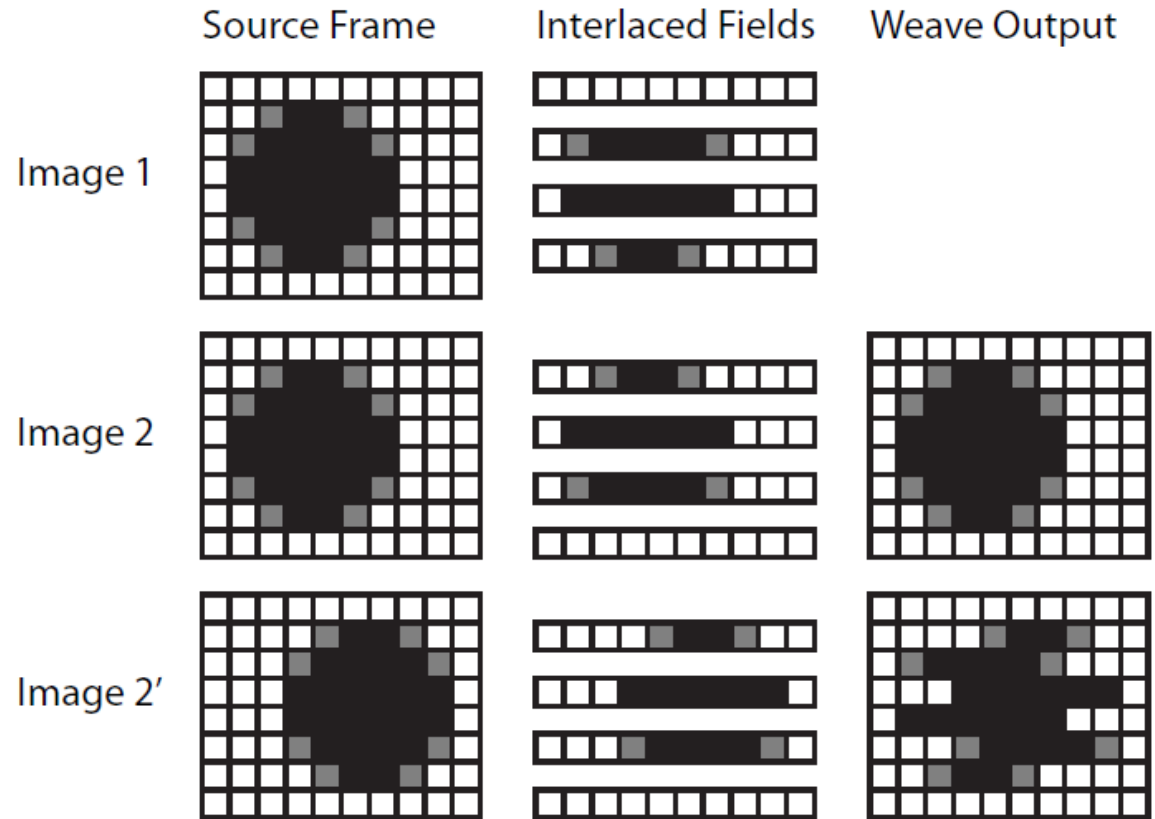
Interlaced v. Progressive Scan



Interlaced v. Progressive Scan



Interlaced v. Progressive Scan



Interlaced v. Progressive Scan

