

DIGITAL IMAGING: VECTOR VS. RASTER

5x Magnification



Bitmap



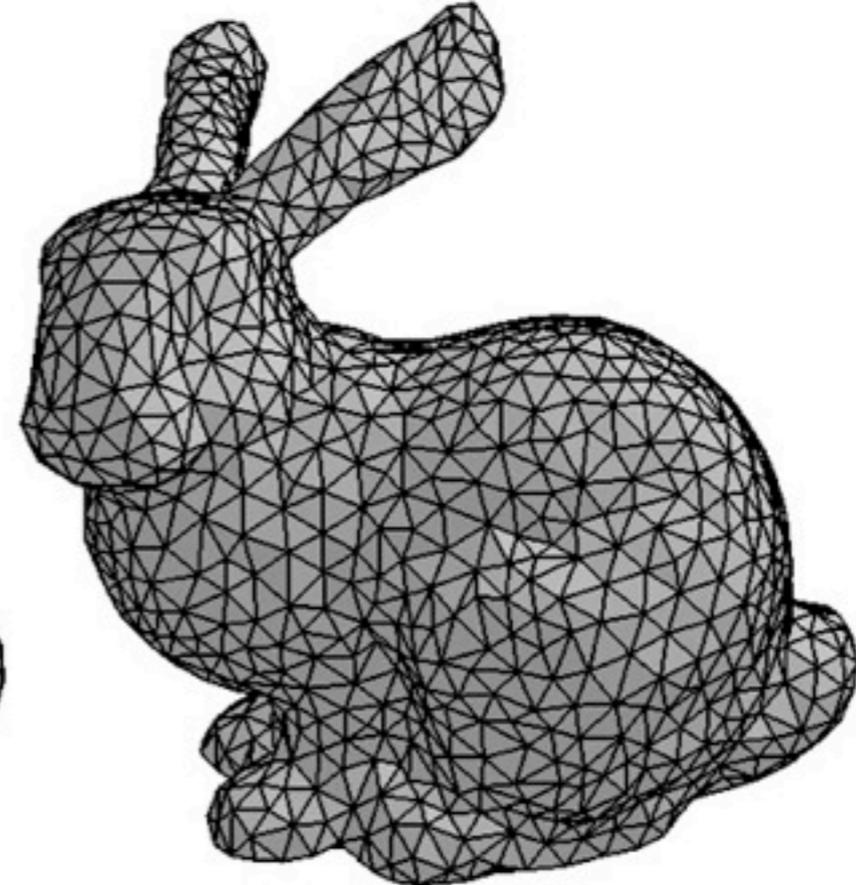
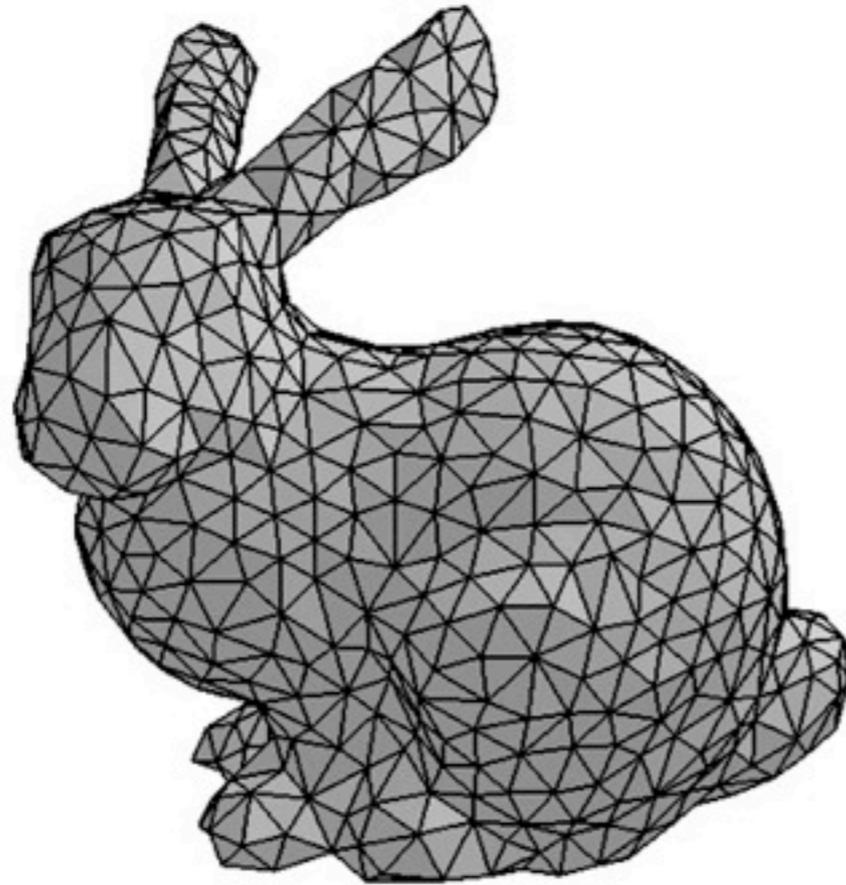
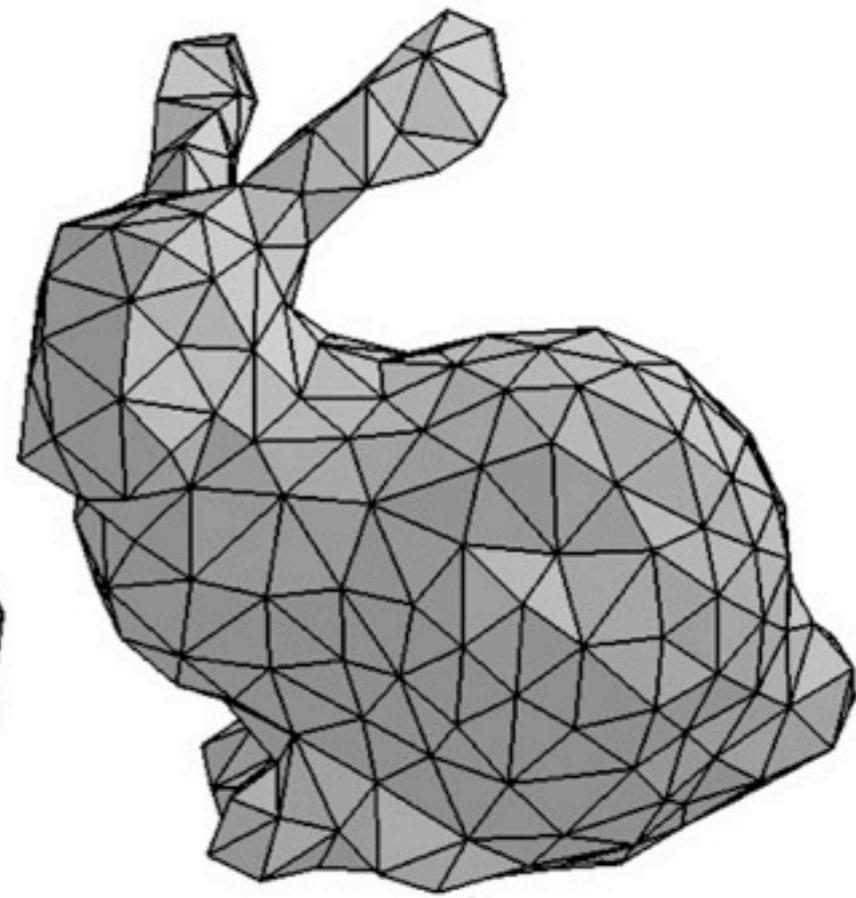
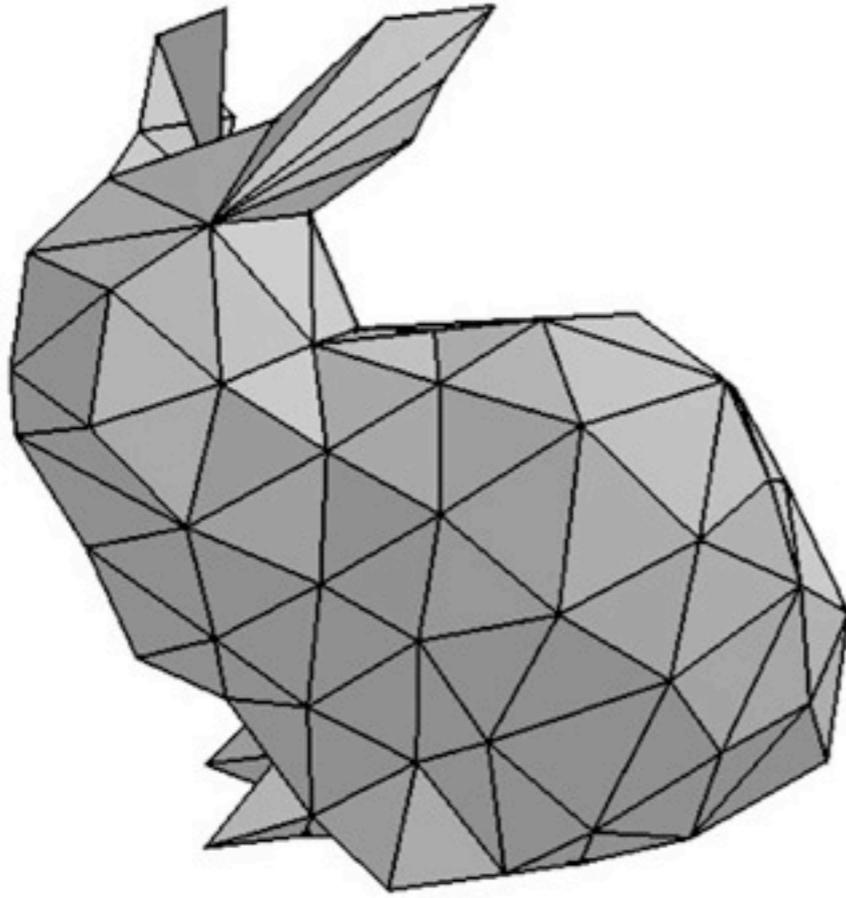
Vector



RASTER (OR BITMAP)

- Raster images are represented on the screen as **pixels**
- Bitmaps are used for **photographic** images.
- **Photoshop** is a raster program
- Bitmap **file formats** include TIF, BMP, GIF, JPG.





VECTOR

- Vector graphics are defined by a set of **coordinates and color information**.
- The image is saved as a file containing **instructions** for drawing it.
- A vector image can be enlarged or reduced **without losing quality**.
- Vector graphics are most commonly seen in **clip art, fonts and logos**.
- Generally have a much **smaller file size**
- **Resolution independent**.
- **Illustrator** is a vector program.
- **Vector file formats** include WMF, EPS, AI.



ILLUSTRATOR DEMO

ASSIGNMENT

DUE TUESDAY, OCTOBER 16

- You must construct the storyboard with **images** gathered **online** - no original material.
- Create a **shot list** in the form of an Excel spreadsheet or MS Word document.
- You may **crop, scale, and rotate** existing images but may not create new ones.
- Arrows and **simple graphics** should be used to describe movement within a shot.
- **Captions** should accompany the images and provide information regarding audio, timing, and other non-visual elements.
- Be prepared to present the final piece to the class on **Tuesday, October 16**.