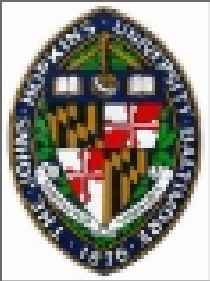


A Non-Photorealistic Lighting Model for Automatic Technical Illustration

from Gooch, Gooch, Shirley, and Cohen, *SIGGRAPH 98*.



Technical Illustration Goals

Shape information more important than photorealism

“Make all visual distinctions as subtle as possible, but still clear and effective”

- **Tufte**



Technical Illustration Characteristics

Edge lines drawn with black curves

- **boundaries, silhouettes, discontinuities**

White highlights from single light source

Shading stays far from black and white

- **limited intensity range**

**Hue changes (warm to cool) help to
indicate surface normal**