

# Imaging instruments (part II)

- Photographic camera
- Single-lens magnifier
- Microscope
- Telescope
  
- Examples

# The single-lens magnifier

Images removed due to copyright concerns

# The compound microscope

from *Optics*

by M. Klein & T. Furtak

Images removed due to copyright concerns

Objective magnification

$$M_o \approx -\frac{l}{f_o}$$

Eyepiece magnification

$$M_E \approx \frac{L}{f_E}$$

Combined magnification

$$M = M_E M_o$$

# Telescopes

Images removed due to copyright concerns