

Swihart Ch. 3 Main Concepts

Tidal forces

Tidal friction and tidal locking (synchronous rotation)

Moment of inertia, rotational KE, and angular momentum (of a sphere)

Roche limit for satellites

Extra: Telescopes

Refractors and Reflectors

Airy disk (point spread function)

Angular resolution (from diffraction limit)

Relation of angular separation to physical separation

Interferometry

Telescopes at other wavelengths