

Swihart Ch. 9 Main Concepts

Spectroscopic binaries

Orbital inclination angle, velocity curves

Velocity amplitude and mass ratios

Interacting binaries

Rotating reference frame, Lagrange point (L1)

Zero-velocity surface = equipotential surface

Roche lobes, Roche overflow, accretions disks

Cataclysmic variable (WD companion), nova, dwarf nova

X-ray binary (NS companion)

Mass accretion and radiation/luminosity