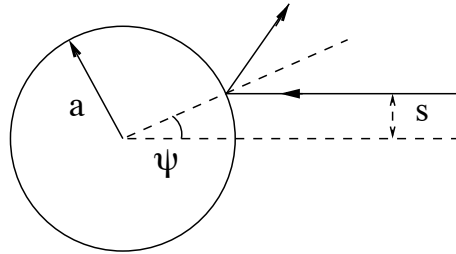


[mex55] Scattering from hard spheres

- (a) Calculate the scattering cross section $\sigma(\theta)$ for elastic scattering from hard spheres of radius a .
- (b) Calculate the total scattering cross section $\sigma_T = \int d^2\Omega \sigma(\theta)$.



Solution: