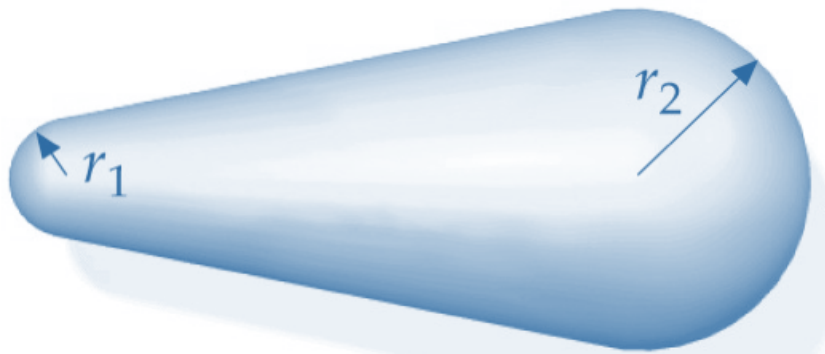


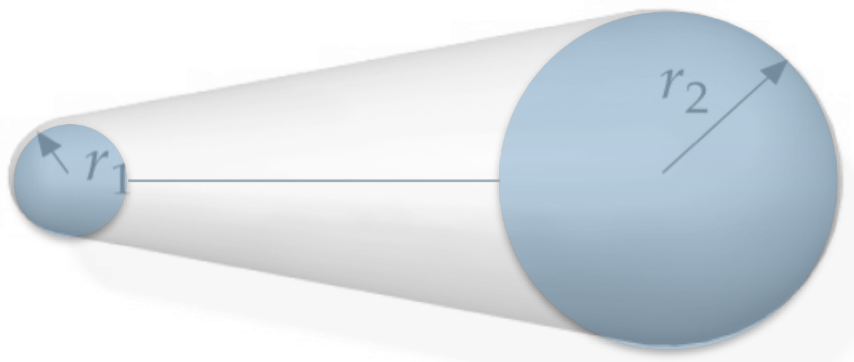
Phys331/Homework #3

Due on Monday 12/4/2021

1) Compute Compare the field strength at the two ends of a lightning-rod



Using the simplified model of two conducting spheres connected by a wire



2) A charge q_1 is located at the point $(1, 0, 0)$. What charge q_2 should be placed at the point $(\sqrt{3}, 0, 0)$ so that the flux be zero across the unit circle that lies in the yz -plane and centered at the origin?