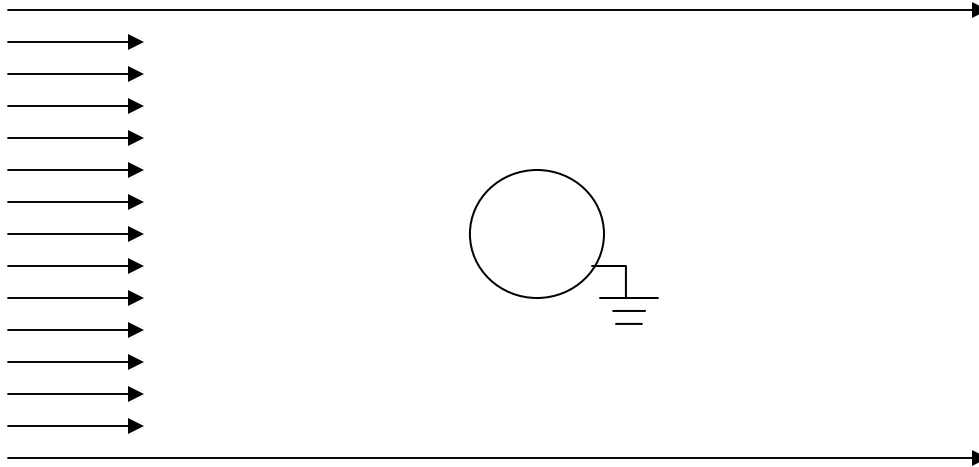


PHYS251 Midterm2 makeup question: (10 points)

due on Wednesday 10/28

A grounded metal sphere is placed inside an original uniform electric field as shown below. Please complete the electric field lines in detail.



What is the total net charge on the metal sphere? (zero/positive or negative)