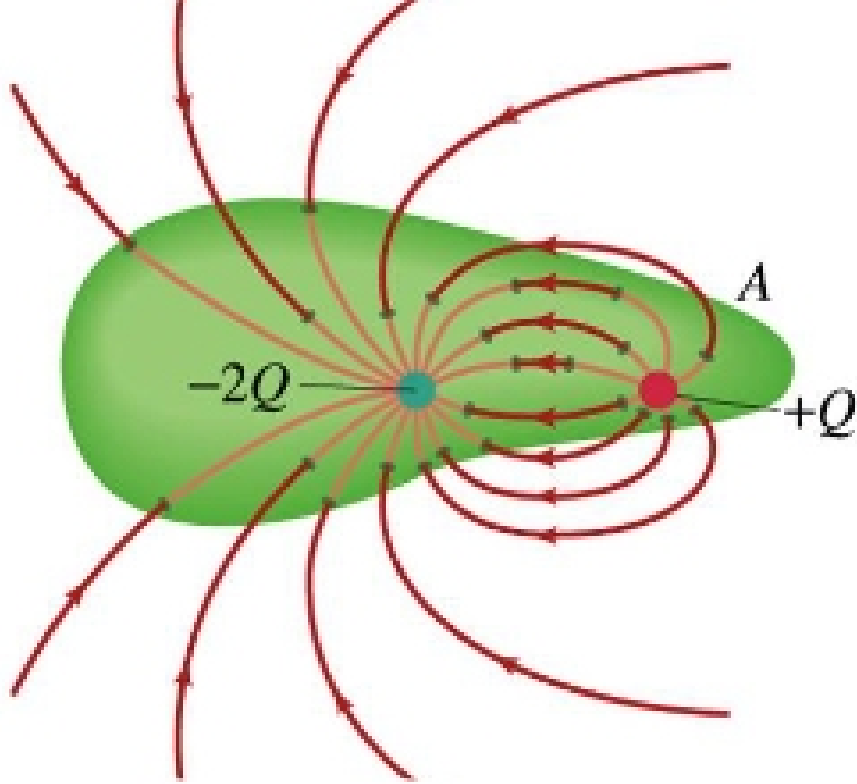




Maxwell's equations

Physics 122



$$\Phi_E = \oint_{\text{closed surface}} \vec{E} d\vec{A} = \frac{Q}{\epsilon_0}$$



Gauss's law

the number of field lines that go in = the number of field lines that go out, unless there are sinks (negative charges) or sources (positive charges)

“Gauss’s law” for magnetic field

- Can you guess:

$$\Phi_B = \oint_{\text{closed surface}} B dA = ?$$

closed surface

