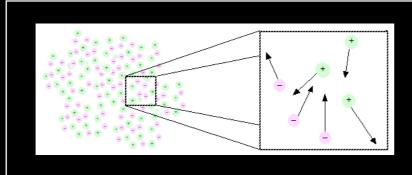
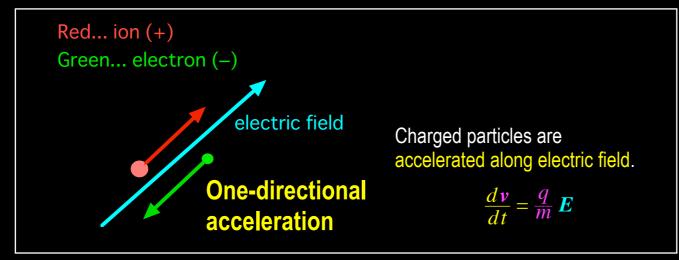
Basic properties of plasmas

1. Local charge neutrality

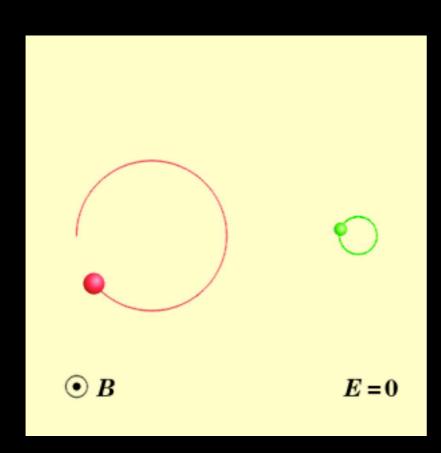


The numbers of positive charges and negative charges are almost the same in every local region.

2. Interaction with electric field (Coulomb force: $F_C = q E$)



3. Interaction with magnetic field (Lorentz force: $F_L = q v \times B$)



 $\mathsf{B}_\perp\text{-plane}$

