

Total electromagnetic fields

- update given fields \mathbf{B} , \mathbf{E}

Collisional guiding center orbits

- stochastic particle scattering
- massive calculation of orbits

**Kinetic
equilibrium**



Contributions to fields

- Finite Element Method (Maxwell solver)
- change in vector potential $\delta\mathbf{A}$
- change in electrostatic potential $\delta\phi$

Moments of distribution function

- box counting of test particles
- charge density $\delta\rho$
- current density $\delta\mathbf{j}$