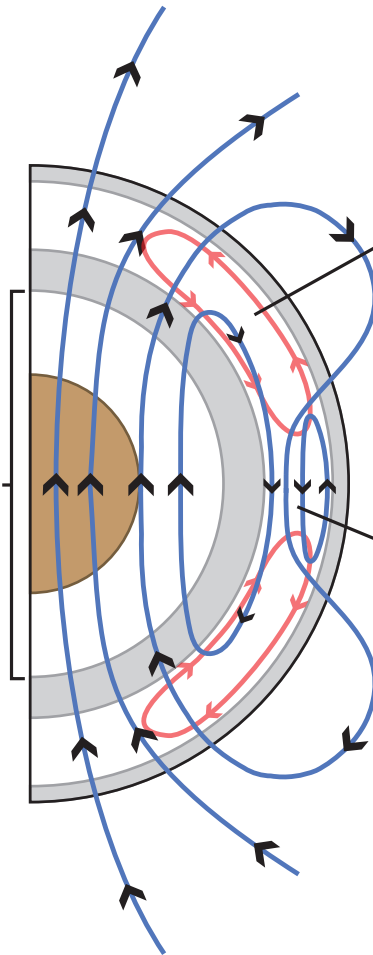


(i) Inner region generates a strong dipolar field, but the field is attenuated by the skin effect and distance before reaching the surface.



(ii) Secondary flows advect high latitude poloidal flux towards the equator, diminishing the axial dipole field.

(iii) Dynamo action generates oppositely signed poloidal field in the outer equatorial region.