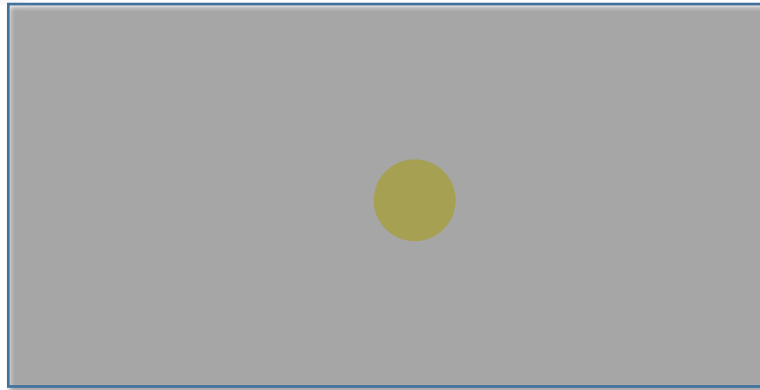




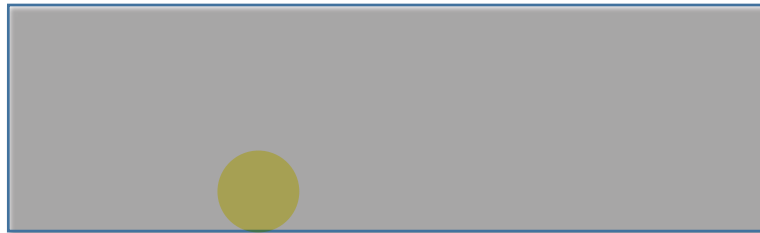


Helmholtz coils

1. \vec{B} is uniform and parallel to the axis of the coils.



2. \vec{B} is uniform and parallel to the axis of the coils.



3. \vec{B} is uniform and parallel to the axis of the coils.



Helmholtz coils are two circular coils of wire placed parallel to each other and separated by a distance equal to their radius. The magnetic field between the coils is uniform and parallel to the axis of the coils.

For a current I flowing out of the page, the magnetic field between the coils is uniform and parallel to the axis of the coils.