





Roadlike shield with magnetic field

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Relative position



Fields



No roads. 4 T



Trajectory in fields [cm]





Trajectory in fields. With roads [cm]



Trajectory in fields. Top view [cm]







Study case showing how the field lines behave at the very large (unrealistic) magnetic field 10 T



Study case showing how the field lines behave at the very large (unrealistic) magnetic field 10 T



Summary

- Octoboard in the magnetic field was tested
- Found "wings".
- Roadlike shield was tested.
- Parameters need to be optimized:
 - Height of roadlike shied strips above the chips
 - Sizes of the strips
 - Strips potential
 - Dielectric layer between the chips and shield strips
 - And others ...

Back Up



Distortion of voltage and electron path



Voltage distribution near the gap

Gap pull the electrons inside

Details of meshing



Input geometry

