

# task\_76ksbc114ylxftfl\_with\_calculation

## Student Group

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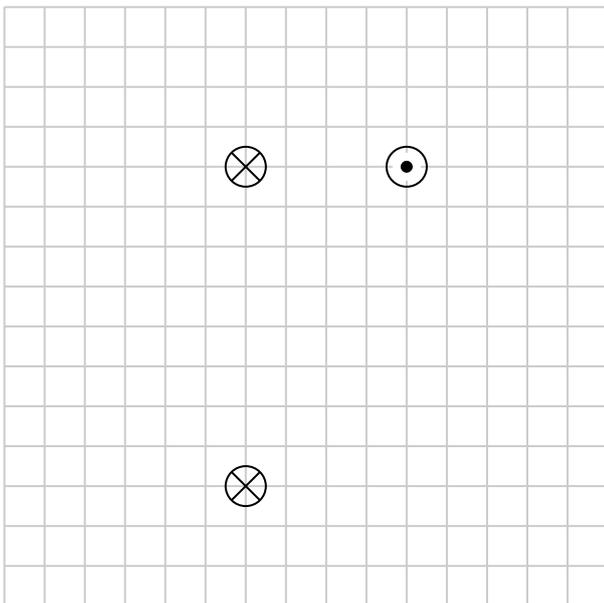
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magnetostatic, field lines, exam ee2 SS2021

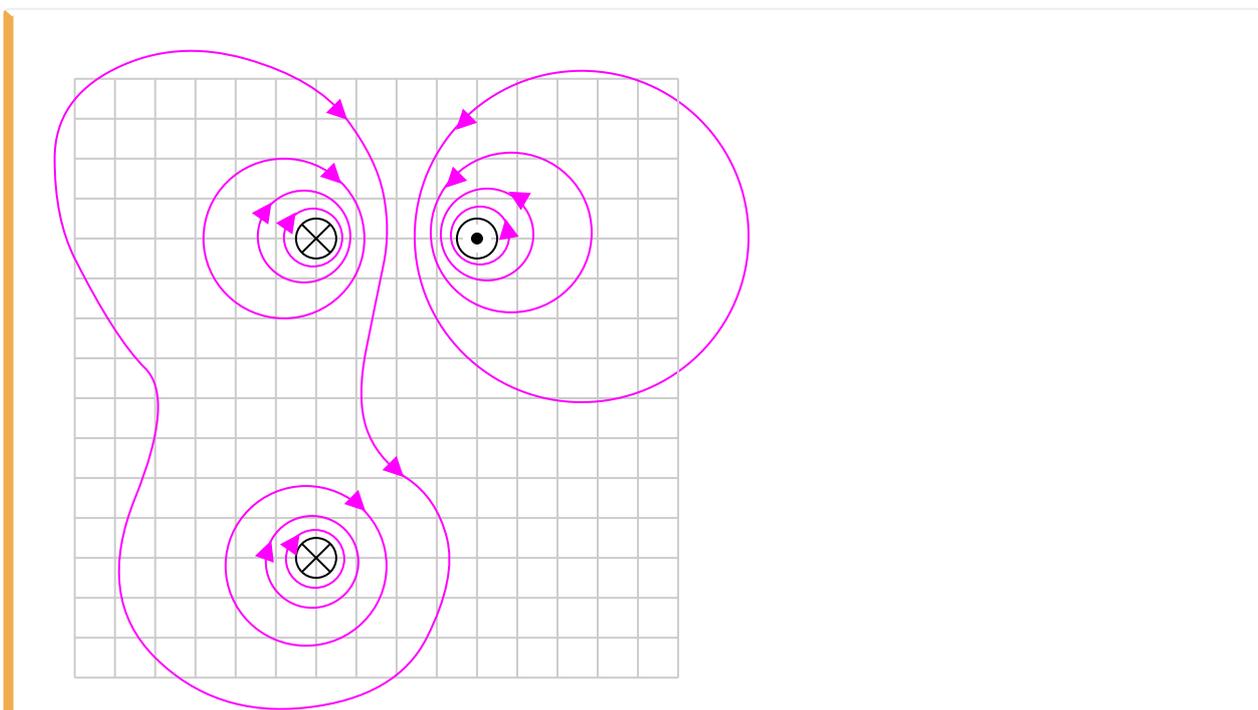
### Exercise E1 Resistance of a Wire by Resistivity (written test, approx. 6 % of a 60-minute written test, WS2022)

Several parallel conductors are projecting out of the plane.  
The same current  $I$  flows through all the conductors in different directions (see image below).

Sketch at least 10 field lines of the magnetic field strength  $\vec{H}$  in such a way that the different properties of the field lines (e.g. direction and density) can be seen.



Result



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