

Homework 4 - Maxwell's equations

- Q4.1. Write Maxwell's equations in integral form and explain their meaning.
- Q4.2. Draw a three-dimensional diagram illustrating the electric flux generated by a charge.
- Q4.3. A current flows steadily in a straight line from A to B . Draw a two-dimensional diagram, suppressing one external dimension, illustrating the behaviour of the charge, current, electric flux and magnetic field. Explain how the orientations should be extended in the third dimension.