

Electrodynamics Revision Sheet for year 3

Complete the following for the general case

1. $\nabla \cdot \mathbf{B} =$

2. $\nabla \wedge \mathbf{H} =$

3. $\nabla \cdot \mathbf{D} =$

4. $\nabla \wedge \mathbf{E} =$

5. $\mathbf{B} = \nabla \wedge$

6. $\frac{\partial \rho}{\partial t} + \nabla \cdot$

7. $\oint_c \mathbf{B} \cdot d\mathbf{l} = \mu_0 \int_s \mathbf{j} \cdot$

8. $\mathbf{D} = \epsilon_0 \mathbf{E} +$

9. $\epsilon = \epsilon_0 +$

10. $\mathbf{H} = \frac{1}{\mu_0} \mathbf{B}$