

Statement of participation

Muhammad Farid Wajdi Makkulau

has completed the free course including any mandatory tests for:

Electromagnetism: testing Coulomb's law

This free 4-hour course explored Coulomb's law, the physical law that governs the force between electric charges, and shows how it can be verified.

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www.open.edu/openlearn

This statement does not imply the award of credit points nor the conferment of a University Qualification.
This statement confirms that this free course and all mandatory tests were passed by the learner.

Please go to the course on OpenLearn for full details:

<https://www.open.edu/openlearn/science-maths-technology/electromagnetism-testing-coulombs-law/content-section-0>

COURSE CODE: **SM381_1**

Electromagnetism: testing Coulomb's law

<https://www.open.edu/openlearn/science-maths-technology/electromagnetism-testing-coulombs-law/content-section-0>

Course summary

This free course explored Coulomb's law, the physical law that governs the force between electric charges, and shows how it can be verified experimentally. This course provides a practical demonstration of electrostatic forces.

Learning outcomes

By completing this course, the learner should be able to:

- describe the properties of Coulomb's law and electrostatic force
- determine the force exerted on one stationary charge by another using Coulomb's law
- explain some of the uncertainties and errors that can occur in experimental measurements of electrostatic properties.

Completed study

The learner has completed the following:

Section 1

Electric force – Coulomb's law

Section 2

Calculating the electric force between three or more charges

Section 3

Testing Coulomb's law and using vector components