

# FREE ACCESS ELECTRIC FIELDS STUDY GUIDE

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## Electric Fields Study Guide Introduction

Electricity (redirect from Electric) [x]that an electric field is a vector field.: 469–70 The study of electric fields created by stationary charges is called electrostatics. The field may be... Voltage (redirect from Electric Potential Difference) [x]difference, electric pressure, or electric tension is the difference in electric potential between two points. In a static electric field, it corresponds... Electromagnetic field [x]electromagnetic field. The first one views the electric and magnetic fields as three-dimensional vector fields. These vector fields each have a value... Electric-field screening [x]In physics, screening is the damping of electric fields caused by the presence of mobile charge carriers. It is an important part of the behavior of charge-carrying... Outline of electrical engineering (section Electric vehicles) [x]overview of and topical guide to electrical engineering. Electrical engineering – field of engineering that generally deals with the study and application of... Rotating magnetic field [x]motors, electric generators and induction regulators. In 1824, the French physicist François Arago formulated the existence of rotating magnetic fields using... Permittivity (redirect from Electric permittivity) [x]the electric polarizability of a dielectric material. A material with high permittivity polarizes more in response to an applied electric field than... Radio wave (redirect from Radiofrequency electromagnetic fields) [x]right and left hand spin states. The electric field consists of a superposition of right and left rotating fields, resulting in a plane oscillation. Radio... Electric eel [x]The electric eels are a genus, *Electrophorus*, of neotropical freshwater fish from South America in the family Gymnotidae. They are known for their ability... Electromagnetism (redirect from Electric wave) [x]is an interaction that occurs between particles with electric charge via electromagnetic fields. The electromagnetic force is one of the four fundamental... Ephaptic coupling [x] or it may refer to coupling of nerve fibers as a result of local electric fields. In either case ephaptic coupling can influence the synchronization... Wireless power transfer (redirect from Wireless electric energy transfer) [x]the type of electromagnetic energy they use: time varying electric fields, magnetic fields, radio waves, microwaves, infrared or visible light waves.... Electric vehicle [x]vehicles, electric boats and underwater vessels, electric aircraft and electric spacecraft. Early electric vehicles first came into existence in the late... Brushed DC electric motor [x]brushed DC electric motor is an internally commutated electric motor designed to be run from a direct current power source and utilizing an electric brush... Electrotaxis [x]galvanotaxis, is the directed motion of biological cells or organisms guided by an electric field or current. The directed motion of electrotaxis can take many... Plasma (physics) (section Electric arc) [x]collective electromagnetic fields and very sensitive to externally applied fields. The response of plasma to electromagnetic fields is used in many modern... Electrical injury (redirect from Electric Shock) [x]injury, (electric injury) or electrical shock (electric shock) is damage sustained to the skin or internal organs on direct contact with an electric current... General Electric [x]General Electric Company (GE) was an American multinational conglomerate founded in 1892, incorporated in the state of New York and headquartered in Boston... Induction cooking [x]with a low radio frequency alternating electric current passing through it. The resulting oscillating magnetic field induces an electrical current in the... History of electromagnetic theory (redirect from History of electric theory) [x]electric current results, and magnetism is due to electric current. The source for electric field is electric charge, whereas that for magnetic field...

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