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We refer to these as fundamental quantities; they are mass (m) , length (l) , time (t) , charge (q) , and temperature ( T ). For example, what is time? When did time begin?

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We define the electric field intensity as the force per unit charge. We then want to establish that. The electric field intensity is irrotational or conservative, and. The work done in moving a charge from one point to another in an electrostatic field is independent of the path taken and depends only upon the endpoints of the path.

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The theory which describes physical phenomena related to the interaction between stationary electric charges or charge distributions in space with stationary boundaries is called electrostatics.

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Electromagnetic phenomena are defined in terms of the electromagnetic force, sometimes called the Lorentz force, which includes both electricity and magnetism as different manifestations of the same phenomenon. The electromagnetic force plays a major role in determining the internal properties of most objects encountered in daily life. The electromagnetic attraction between atomic nuclei and their orbital electrons holds atoms together. Electromagnetic forces are responsible for the chemical bon

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