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Examples and Problems in Magnetism and Electromagnetism

magnetism. Problem 1. Two long straight wires carrying the same current I and separated by a distance r exert a force F on each other. The current is increased to $4I$ and the separation is reduced to $r/6$.

Physics Problems: magnetism

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Electricity and Magnetism | Physics | MIT OpenCourseWare

De Magnete was the text in which Gilbert revealed the results of his research on magnetism and attempted to explain the nature of magnets and the five motions associated with magnetic phenomena. The work met with great acclaim and was republished in 1628 and 1633.

Magnetism - The Physics Hypertextbook

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Regents Physics Electricity & Magnetism

Q.1. Biot-Savart law indicates that the moving electrons (velocity v) produce a magnetic field B such that (a) $B \perp v$.(b) $B \parallel v$.(c) it obeys inverse cube law.(d) it is along the line joining the electron and point of observation. Answer Answer: a (a) Magnetic field is given by Where n is the direction of B which...

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