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Fundamentals of Engineering Electromagnetics by David K. Cheng
Electromagnetics is one of the most fundamental subjects in an electrical engineering curriculum. Knowledge of the laws governing electric and magnetic fields is essential to the understanding of the principle of operation of electric and magnetic instruments and machines, and mastery of the basic theory of electromagnetic waves is indispensable to explaining action-at-a-distance electromagnetic phenomena and systems.

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Fundamentals of Engineering Electromagnetics is a shorter version of Dr. Cheng's best-selling Field and Wave Electromagnetics, Second Edition. Fundamentals has been written in summaries. Emphasizes examples and exercises that invite students to build their knowledge of electromagnetics by solving problems.

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Solutions for Chapter 2 Problems
Scope: Because Fundamentals of Engineering Electromagnetics is intended to be useful to engineers engaged in electromagnetic applications in a variety of professional settings, the coverage of topics is correspondingly broad, including Maxwell equations, static fields, electromagnetic induction, waves, transmission lines, waveguides, antennas, and electromagnetic compatibility. Pertinent data in the form of tables and graphs has been provided within the context of the subject matter.

Fundamentals of Electromagnetics with MATLAB
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Fundamentals of Engineering Electromagnetics. This is a derivative publication of Dr Cheng's Field and Wave Electromagnetics (2nd edition). It has been developed in response to the need for a text that supports the mastery of this difficult subject. Therefore, in addition to presenting electromagnetics in a concise and logical manner,...

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Fundamentals Of Electromagnetics With Engineering ...
2-4 (i) (i) 69 12 9 2 110 1010 36 4410 545 36 xCxC FV NM F m CVC m π π -- + = xy aa F, so Fa12 =+0.89x1.8ay μN Fig. P2.5 P2.6: Suppose 10.0 nC point charges are located on the corners of a square of side 10.0

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