

The University of British Columbia
Department of Electrical and Computer Engineering

EECE 483 - Antennas and Propagation

Module 1

Electromagnetic Wave Propagation

Formula Compendium

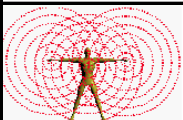
A Student Workbook

SOLVING PROBLEMS

1. READ the problem carefully.
2. SKETCH the problem geometry or block diagram.
3. IDENTIFY key patterns, relationships or formulas.
4. DEVELOP and DOCUMENT a strategy for revealing the unknown quantity.
5. EXECUTE the strategy.
6. PRESENT the solution.

STUDYING FORMULAS

1. INSPECT each formula or equation.
2. SKETCH the relevant block diagram or problem geometry.
3. IDENTIFY the relevant symbols by reference to the sketch or in words, and give their physical meaning and units.



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Prepared by:

Date:

Formula *Name, equation*

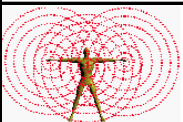
Scenario *Block diagram or problem geometry*

Parameters *Symbols – quantity (units)*

Formula *Name, equation*

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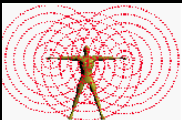
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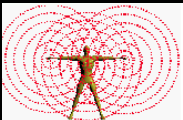
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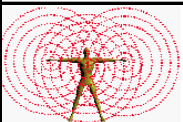
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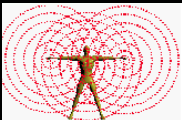
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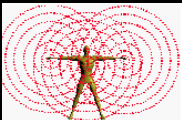
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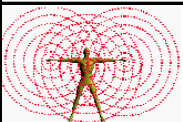
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