. King Mongkut's University of Technology Mid-Term Examination of the and	Seat No  Jy Thomburi  Thomburi
Course: CPE 454(2) Selected Topic in C (Noise Reduction Technical Date: Wednesday 22 nd December 2010)  Time: 1:00-4:00 p.m.  For: CPE 3-4 (A-D)	
Instruction: 1. closed-Book Examination 2. Acalculator is allowed. 3. A ScFormulae ruler is allowed. 4. There are 5 problems in 7 pages. 5. Do all problems for 25% keeping.	
Student's Name:	_ (capital Letter)
Problem 1 (10 marks)  Problem 2 (10 marks)  Problem 3 (10 marks)  Problem 4 (10 marks)  Problem 5 (10 marks)  Total (50 marks)  25% of grand total (100 marks)	

Assoc. Prof. Boomruk CHIPIPOP Designer EMC

สำน**ักหอสมุด** มหาวิทยาลัยเทคโนโลยีพระจอมแกล้าลบบรี -

Three categories of noise sources

The primary methods for combatting interference

Noise coupling channels

สำนึกหอสมุด

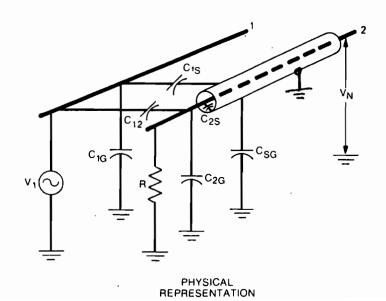
มหาวิทยาลัยเทคโนโลยีพระจอมเกล้าธนาเร็

EMI

Problem 2 Draw block diagram of MIL-STD-461B
Specification Test Premulina in Test Pr

Problem 3 Find the expression for V (3) distribution below.

Problem 3 Find the expression for V (3) distribution below.



Problem 4 When both ends of two-wire conductors Page b are terminated at grounded resistors. How to protect inductive interference of interference of attenuation? Give the reason.

Page 7

Problem 5 Explain each graph in figure below.

สานกหอสม**ุศ** 

บทาวิทยาลัย.ทคโนโลยีพระจอมเกล**้าธนบุรี** 

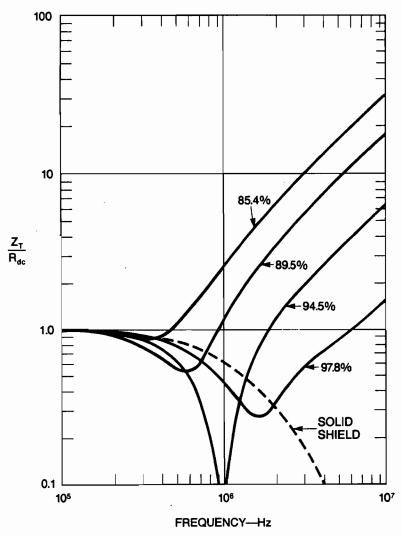


Figure Normalized transfer impedance of a braided-wire shield, as a function of percent braid coverage (from Vance, 1978, © Wiley).