

OS7201 Electromagnetic Analysis Using FDTD Method

Homework #5 Due: 11/15/2022 at 2 p.m.

1. (100%) Repeat the results of the second example “multilayer cover design for a heat-seeking missile” given in Lecture 9. Your code should be able to
 - a. take refractive indices or relative permittivities of any two materials comprising the Bragg grating, and
 - b. generate an arbitrary number of periods set by the user.

These two features will be particularly evaluated, in addition to the correctness of the computational results.

Starting Homework #5, an additional one-week extension is given with 0% of your scores taken off, if you need more time to complete the homework. Therefore, the last date to turn in Homework #5 is 11/22/2022.

As a reminder, please refrain yourself from asking a quick help from your classmates/lab senior members whenever you encounter a problem. Try every effort to complete the work yourself. This is the only way to build up your problem-solving skills.