

University of Portland
School of Engineering

EE 301
Spring 2018
A. Inan

Homework # 1

(Assigned: Monday, January 15, 2018)
(Due: Monday, January 22, 2018, 11:25a.m.)

These problems are assigned from Engineering Electromagnetics and Waves (Second Edition, 2015) by Inan² Said (pages 19-21 & 80-98):

- 1.3. Earth-Moon communication.**
- 1.5. Echo from a cliff.**
- 1.7. Sonar.**
- 1.14. Seismic waves.**
- 1.19. Maximum path length.**
- 1.23. Microstrip transmission line.**
- 2.1. Lumped or distributed circuit element?**

Please use the following guidelines for your homework solutions:

- 1) On the first sheet, at the top center, write: Homework #1-Solutions.
- 2) Provide your full name on the upper right corner of the first sheet.
- 3) Also write: EE 301/Spring 2018 on the upper left corner of the first sheet.
- 4) Solve each problem on a separate sheet unless your solution is very short.
- 5) Box all of your answers.
- 6) Staple your solutions in the above order before you turn them in.

Please turn in your homework on time.