

University of Portland
School of Engineering

EE 262
Spring 2014
A. Inan

Homework # 6-Laplace Transform & its Applications

(Assigned: Friday, March 28, 2014)

(Due: Wednesday, April 2, 2014, 9:15a.m.)

These problems are assigned from Engineering Signals and Systems by Ulaby/Yeagle (2013) (pages 179-186):

- 4.6. Laplace transform applied to electric circuits.**
- 4.7. Laplace transform applied to electric circuits.**
- 4.8*. Laplace transform applied to electric circuits.**
- 4.10. Laplace transform applied to electric circuits.**
- 4.13. Laplace transform applied to electric circuits.**
- 4.19. Laplace transform applied to electric circuits.**
- 4.21*. Laplace transform applied to electric circuits.**
- 4.31. Transfer function of an op-amp circuit.**
- 4.33. Transfer function of an op-amp circuit.**

*Optional.

Please use the following guidelines for your homework solutions:

- 1) On the first sheet, at the top center, write: Homework #6-Solutions.
- 2) Provide your full name on the upper right corner of the first sheet.
- 3) Also write: EE 262/Spring 2014 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.

Important reminder:

EE 262-Midterm # 2 is on Friday, April 4, 2014, 9:15-10:10a.m.

Closed book exam, formula sheets are allowed.