



UNIVERSITY OF TEHRAN
Electrical and Computer Engineering Department
Fields and Waves, ECE 389
Spring 1403
Computer Assignment
Impedance Matching

Name:

Date:

Design a single stub matching circuit for a series RC load with the value of $25-j50$ at the working frequency. Find both solutions and give the line length in terms of the wavelength. Write a MATLAB program to compute and plot the frequency responses of the two designed matching circuits. Which solution has a wider bandwidth?