

ECE 320 / 329  
Homework  
Lesson 42

1. For a full wave diode rectifier with a capacitive load, find and plot the input current.

The input voltage is 120VAC rms at 60Hz. The capacitor load voltage is 157VDC and may be considered constant. The commutating inductance is 10 mH. You may consider the diodes to be ideal.

2. The diode problem on the sample exam that was given on Lesson 39.