

**EE 463**

**PROJECT #1**

**Single Phase Diode Rectifiers**

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**Date:**

**Introduction**

**1)**

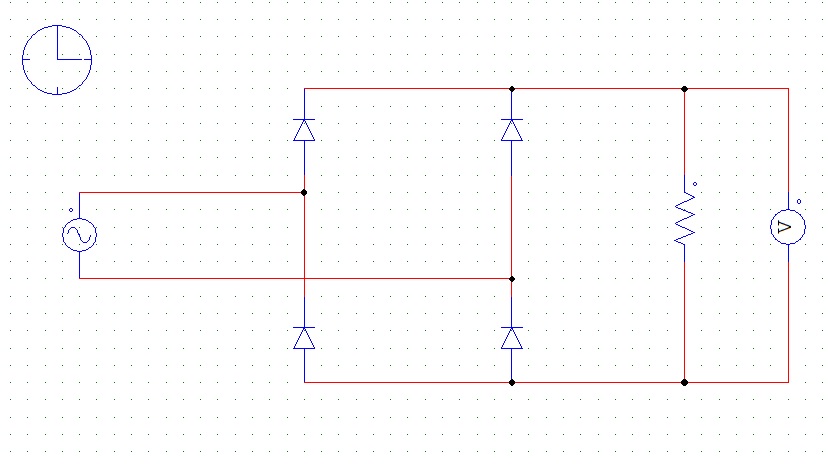
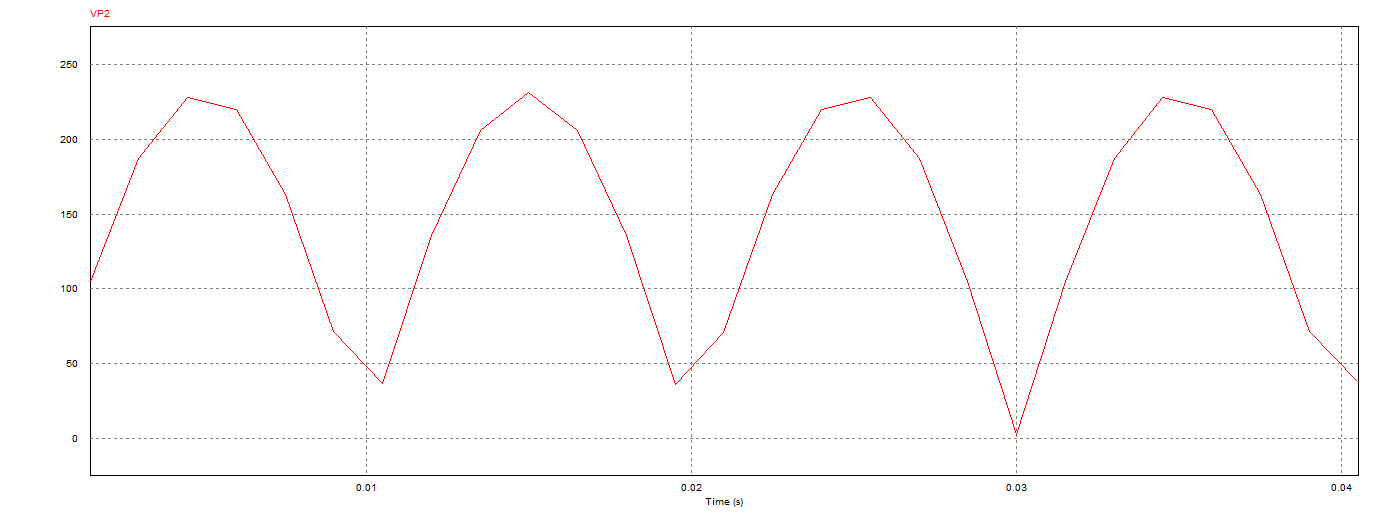
The schematic and the simulation results of the single-phase diode rectifier with 100 Ω load resistance and different step sizes are illustrated in Figs. 1, 2, 3, 4.

Figure 2: The Simulation Result with 1.5 msec Step Size

Figure 1: The Schematic of the Rectifier

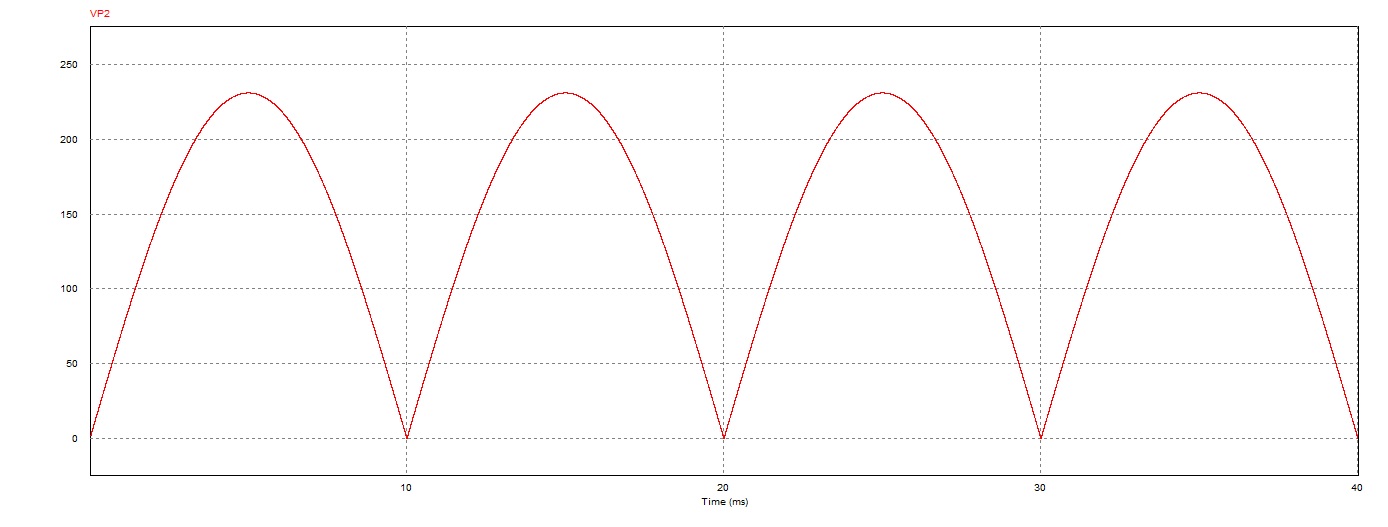


Figure 2: The Simulation Result with 10 µsec Step Size

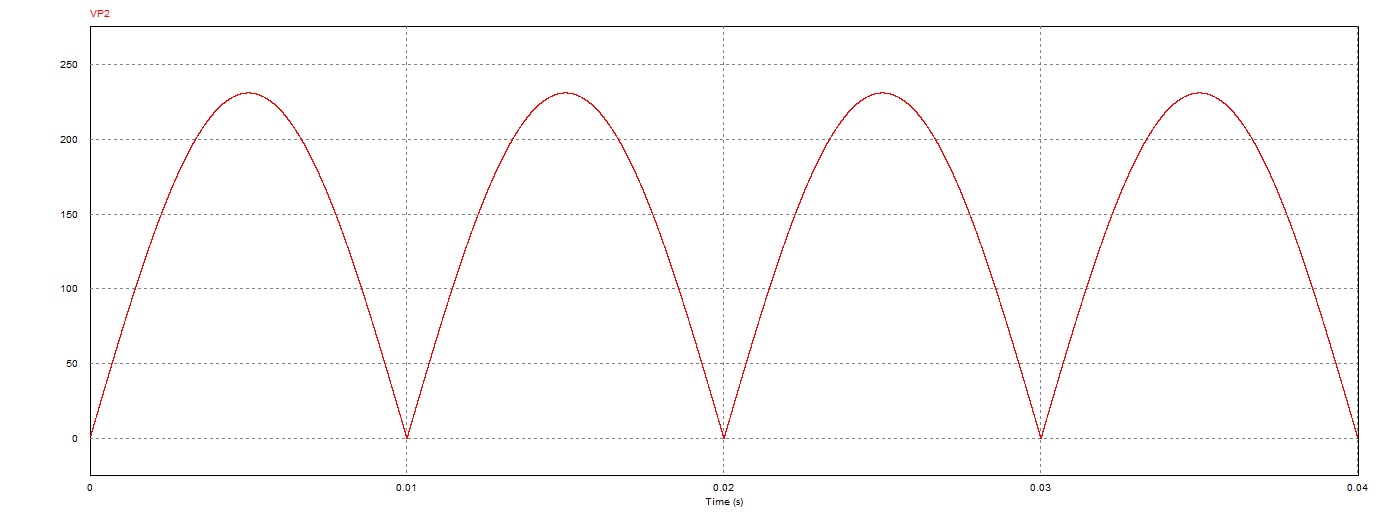


Figure 2: The Simulation Result with 1 µsec Step Size

Considering the simulation graphs, it can be obviously observed that the curves becomes smoother as the step size is decreased.