Foundations of Analog and Digital Electronic Circuits Exercise and Problems Solutions

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About

This is my personal solutions to exercises from the book Foundations of Analog and Digital Electronic Circuits. Very much appreciated if you mail me if you find errors in the solutions. My mail address can be found above this section.

Chapter 1

Exercise 1.1

Then the power dissipated in a purely resistive load fed from an AC supply is given as

$$P = \frac{V_{rms}^2}{R}$$

Rearrangement and insertion of known values gives the answer

$$R = \frac{V_{rms}^2}{P} = \frac{120^2}{1200} = 12\Omega$$