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Introduction To Analog Electronics – Lesson 3: Rectifying Diode Circuits

HOMEWORK

The following homework questions are meant to go with the online lesson found here:
http://www.pyroelectro.com/edu/analog/rectifying_diodes/

HOMEWORK QUESTION 1

What is the difference between a half-wave and full-wave rectifier's output?

HOMEWORK QUESTION 2

How does adding a capacitor off of the output of a full-wave rectifier change the signal?

HOMEWORK QUESTION 3

Why would you ever want to turn AC electricity into DC electricity?

HOMEWORK QUESTION 4

Draw a 4 diode rectifier. Show where the input AC signal and ground reference should be input. Then show where the rectified output and ground reference is output.

ADDITIONAL INFORMATION

To get feedback on your homework or to ask additional questions related to this lesson, please post your homework answers or your questions in the online forums at:

<http://www.pyroelectro.com/forums/>