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Introduction To Analog Electronics – Lesson 9: Op-Amp Amplifiers

HOMEWORK

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

HOMEWORK QUESTION 1

What is the formula for determining the amplification of an inverting amplifier?

HOMEWORK QUESTION 2

What two resistor values for R1 and R2 of an inverting amplifier would we use to create an amplifier with an amplification of 100x?

HOMEWORK QUESTION 3

Why do we need amplifiers in electronics? What do they offer us?

HOMEWORK QUESTION 4

Search the web and find the proper formulas for figuring out the amplification of both non-inverting and inverting amplifier circuits. (hint: rfcafe.com has it!)

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/