

Inverting Operational Amplifier

Student Group

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Table of Contents

Inverting Operational Amplifier 2

Inverting Operational Amplifier

Build the following circuit in [figure 1](#) with the power supply and a multimeter.

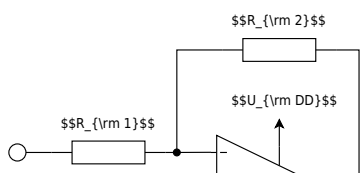


Fig. 1: Inverting Op-Amp

$$U_{DD} = 10\text{ V}, U_{SS} = -10\text{ V}, R_2 = 100\text{ k}\Omega$$

Calculate the necessary value for R_1 , so that the Output U_{OUT} is 5 V. Use the supply voltage from the operational amplifier for U_{IN} .

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