

Inverting Operational Amplifier

Student Group

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= Gain of Op-Amp =

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

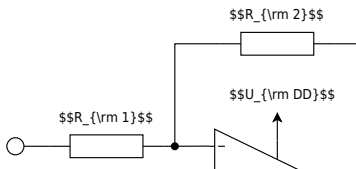


Fig. 1: Inverting Op-Amp

$U_{DD} = 10\text{V}$, $U_{SS} = -10\text{V}$, $R_1 = 10\text{k}\Omega$

Calculate the necessary value for R_2 , so that the Output U_{OUT} is 5 V. Use the supply voltage of the operational amplifier for U_{IN} .

$R_1 =$

= Investigation o inverting input =



Fig. 2: Inverting Op-Amp investigate inverting input

$U_{DD} = 10\text{V}$, $U_{SS} = -10\text{V}$, $R_1 = 10\text{k}\Omega$

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