

Inverting Operational Amplifier

Student Group

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Table of Contents

Inverting Operational Amplifier	2
Gain of Op-Amp	2
Investigation of inverting input	2

Inverting Operational Amplifier

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 of inverting input

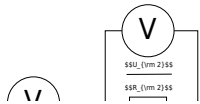


Fig. 2: Inverting Op-Amp investigate inverting input

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

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- r2 kurzschluss

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