

Inverting Operational Amplifier

Student Group

First Name	Surname	Matrikel Nr.

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

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

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

From:

<https://first.mexle.te.hs-heilbronn.de/> - MEXLE Wiki

Permanent link:

https://first.mexle.te.hs-heilbronn.de/lab05_en/inverting_op-amp_basics_amplification?rev=1774954068

Last update: 2026/03/31 12:47

