

Non-inverting Operational Amplifier

Student Group

First Name	Surname	Matrikel Nr.

Table of Contents

Non-inverting Operational Amplifier	2
Op-Amp as current source	2

Non-inverting Operational Amplifier

Op-Amp as current source

An Op-Amp can not only amplify currents and voltages, it can also act itself as current source. Here is an schematic of an typical current source build by an Op-Amp:



Fig. 1: Non-inverting Op-Amp: current source

$U_{\text{DD}} = 10\text{V}$, $U_{\text{SS}} = -10\text{V}$, $R_1 = 220\text{k}\Omega$, $R_2 = 10\text{k}\Omega$, $R_3 = 100\Omega$

From:

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

Permanent link:

https://mexle.te.hs-heilbronn.de/lab05_en/non_inverting_op-amp_current_source?rev=1776848667

Last update: 2026/04/22 11:04

