

Golden Rules

Student Group

First Name	Surname	Matrikel Nr.

Table of Contents

Golden Rules 2
Op-Amp zero adjustment without feedback 2

Golden Rules

Explain the Golden Rules of the operational amplifier.

- \$_{rm}\$
- \$_{rm}\$
- \$_{rm}\$
- \$_{rm}\$
- \$_{rm}\$
- \$_{rm}\$
- \$_{rm}\$
- \$_{rm}\$
- \$_{rm}\$
- \$_{rm}\$

Op-Amp zero adjustment without feedback

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



Fig. 1: Zero adjustment

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

Adjust the output of the Op-Amp to zero. Describe your results and explain them.

- $\{\text{rm}\}$
- $\{\text{rm}\}$
- $\{\text{rm}\}$
- $\{\text{rm}\}$
- $\{\text{rm}\}$
- $\{\text{rm}\}$
- $\{\text{rm}\}$
- $\{\text{rm}\}$
- $\{\text{rm}\}$

$\{\rm \dots\}$

$\{\rm \dots\}$

$\{\rm \dots\}$

How can the circuit be improved?
Draw an improved version and explain it.

$\{\rm \dots\}$

$\{\rm \dots\}$

$\{\rm \dots\}$

$\{\rm \dots\}$

$\{\rm \dots\}$

$\{\rm \dots\}$

$\{\rm \dots\}$

$\{\rm \dots\}$

$\{\rm \dots\}$

$\{\rm \dots\}$

From:

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

Permanent link:

https://mexle.te.hs-heilbronn.de/lab05_en/op-amp_basics

Last update: **2026/04/28 15:46**

