

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.

-
-
-
-
-
-
-
-
-
-

Op-Amp zero adjustment without feedback

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

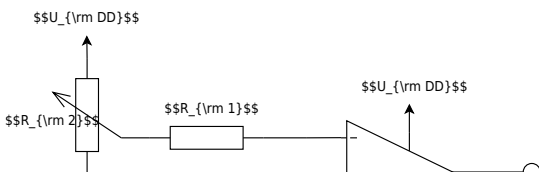


Fig. 1: Zero adjustment

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

Adjust the output of the Op-Amp to zero and describe your results.

- {}\$
- {}\$
- {}\$
- {}\$
- {}\$
- {}\$
- {}\$
- {}\$
- {}\$

$\{\rm \dots\}$

$\{\rm \dots\}$

$\{\rm \dots\}$

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

Permanent link:

https://first.mexle.te.hs-heilbronn.de/lab05_en/op-amp_basics?rev=1777445028

Last update: **2026/04/29 08:43**

