

# Non-inverting Operational Amplifier

## Student Group

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## 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

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

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