

Non-inverting Operational Amplifier

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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 scematic of an typical current source build by an Op-Amp:

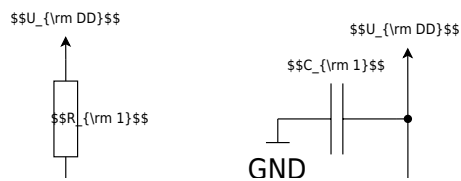


Fig. 1: Non-inverting Op-Amp: current source

$U_{DD} = 10\text{V}$, $U_{SS} = -10\text{V}$, $R_1 = 220\text{k}\Omega$, $R_L = 10\text{k}\Omega$, $C_1 = 100\text{nF}$

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