Non-inverting Operational Amplifier

Student Group

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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:

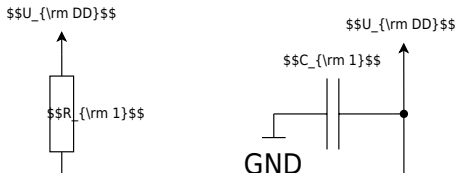

Fig. 1: Non-inverting Op-Amp: current source

$U_{\rm DD}{\rm~=10~V},~U_{\rm SS}{\rm~=-10~V},~{\rm R_1}{\rm~=220~k\Omega},~{\rm R_1}{\rm~=10~k\Omega},~{\rm R_1}{\rm~=100~\Omega}$

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