Transimpedance amplifier ti

The transimpedance op amp circuit configuration converts an input current source into an output voltage. The current to voltage gain is based on the feedback resistance.

This transimpedance amplifier design is a high-speed, linear, two-stage transimpedance amplifier (TIA) application which uses the LMH5401 fully differential amplifier (FDA).

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The transimpedance operational-amplifier circuit configuration converts an input current source into an output voltage. The current-to-voltage gain is based on the feedback resistance.

TIAs are conceptually simple: a feedback resistor (RF) across an operational amplifier (op amp) converts the current (I) to a voltage (VOUT) using Ohm"s law, VOUT = I × RF. In this series of blog posts, I will ...

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