

TITLE: ANALYSIS OF AUDIO MIXER CIRCUIT USING OP AMP AS A SUMMING AMPLIFIER

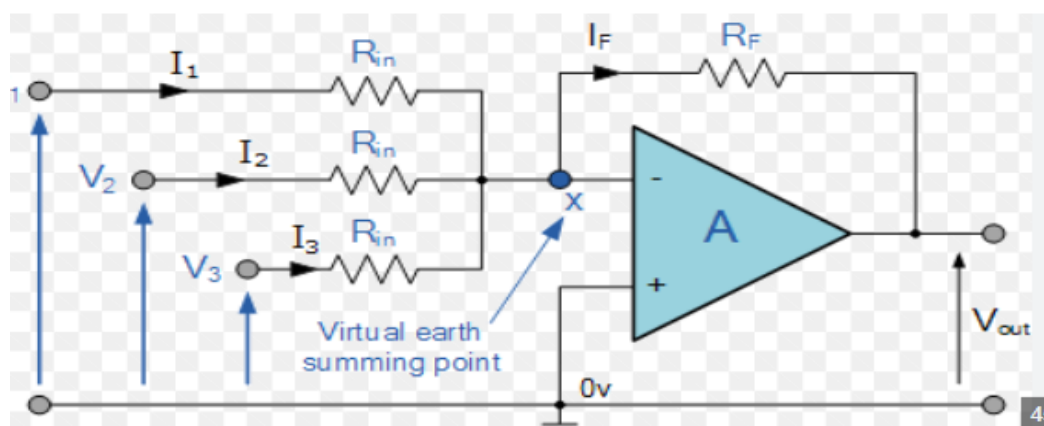
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PROBLEM STATEMENT

The problem involves designing and analyzing an audio mixer circuit using an op-amp as a summing amplifier to combine multiple audio inputs into a single output signal. The design must ensure high fidelity, minimal distortion, and effective mixing while maintaining linearity and a low noise level. Key considerations include selecting appropriate component values to achieve desired gain and frequency response, minimizing crosstalk between input channels, and ensuring a good signal-to-noise ratio (SNR) and low total harmonic distortion (THD). The goal is to evaluate the circuit's performance through both simulation and practical testing to address challenges in audio mixing applications



JOURNAL/PUBLICATION DETAILS

TITLE OF THE PAPER: MICROPHONE MIXER USING OP AMP

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REFERENCE

https://www.researchgate.net/publication/353168501_MICROPHONE_MIXER_USING_OP-AMP