

**Jayoti Vidyapeeth Women's University, Jaipur**  
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## **JV Patent**

### **CHARACTERISTICS IMPROVEMENT OF OPERATIONAL-AMPLIFIER (OP-AMP)**

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#### **ABSTRACT**

The present invention relates to the CMRR of Op-Amp• developed for Characteristics Improvement of Operational-Amplifier. CMMR is an acronym for Common Mode Rejection Ratio which is a measure of the capability of an op-amp to reject a signal that is common to both inputs. Ideally, CMRR is infinite: if both inputs fluctuate by the same amount, then it will not affect the output. But practically its value depends on the circuit used and the value of its components. Practical value of CMRR is 90db, but this invention will improve its conventional value. In order to improve the performance of an Op-Amp, a method has been done, measurement setup has been improved to characterize CMRR more accurately according to its ideal value over wider frequency range. Practically op-amps have high CMRRs, the ubiquitous 741 has approximately 90 dB, and almost 3,000 devices are using this in terms of a ratio.

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