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(51) International classification	:H03F	(71)Name of Applicant :
(31) Priority Document No	:NA	1)Pankaj Garg
(32) Priority Date	:NA	Address of Applicant :Jayoti Vidyapeeth Women TM s
(33) Name of priority country	:NA	University, Vedaant Gyan Valley, Village-Jharna, Mahala Jobner
(86) International Application No	:NA	Link Road, Jaipur Ajmer Express Way, NH-8, Jaipur-303122,
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(87) International Publication No	: NA	(72)Name of Inventor :
(61) Patent of Addition to Application Number	:NA	1)Pankaj Garg
Filing Date	:NA	2)Koushik Chakraborty
(62) Divisional to Application Number	:NA	3)Himanshu Sirohia
Filing Date	:NA	4)Neha Mathur

(57) Abstract :

The present invention relates to the CMRR of Op-Amp developed for Characteristics Improvement of Operational-Amplifier. CMRR 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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