DESIGN & PERFORMANCE ANALYSIS OF LOW VOLTAGE FOLDED CASCODE OPERATIONAL AMPLIFIER

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ABSTRACT—In this research paper, Simulation study of folded cascode Op Amp based on low voltage has been performed. DC voltage gain, average power, unity gain bandwidth and output resistance have been computed using HSPICE Software. Low voltage folded cascode Op Amp results in high performance. Further, the low voltage Cascode Op Amp has better DC Gain, output resistance and less power dissipation. Thus the simulation studies have revealed that the performance of the low voltage folded cascode Op Amp can be improved optimized at different voltage.

INDEX TERMS- low voltage, folded cascode Op Amp, simulation, dc gain, power consumption, output resistance, Bandwidth.

REFERENCES


