Abstract

Three novel differential precision rectifier circuits are realized using single CMOS differential voltage current conveyor. One of the realized differential precision rectifiers provides half wave voltage output. The other two circuits give full wave voltage outputs. Among the two full wave differential precision rectifiers, one circuit provides single ended voltage output while other full wave differential precision rectifier gives differential full wave voltage output. All the realized differential precision rectifiers possess the gain control facility through two resistors ratio. The realized differential precision rectifier circuits are designed and verified using PSpice and the results thus obtained justify the theory.

References

- Khan, I. A. and Zaidi, M. H. 2000, Multifunctional translinear-C current-mode filter,
of Electronics, Vol. 89, 467-476.

**Index Terms**

Computer Science

Electronic Circuits

**Keywords**

Current conveyors  DVCC  precision rectifiers