Switched Capacitor Integrator for High Frequency

Abstract

Among many methods for the realization of high order switched capacitor filter is the derivation from continues active-RC.

The basic building block of an active-RC filter is integrator. There are many switched capacitor integrator realization. This paper presents the behavior of the integrator at high frequency .The effect of increasing the required sampling frequency on some integrated circuit fabrication limitation will be presented.This include chip area required by total capacitance and the minimization of capacitance spread.