Abstract

This paper presents a capacitive sensor of current-mode where differential capacitors are used. For its design, we use analog blocks such as current source and differential amplifier.
Current-Mode Interface Circuit for Differential Capacitive Sensor

changing the value of differential capacitors, the output of the sensor becomes more linear which leads to enhancing the precision of the sensor. This circuit is designed and simulated by HSPICE software in 0.18 µm CMOS process.

References


Index Terms

Computer Science
Integrated Circuits

Keywords

Current-mode
Capacitive sensor
Differential capacitive