Abstract

A simple and low-cost circuit for controlling hysteresis of Schmitt trigger is proposed in this paper. The hysteresis of the circuit is digitally tuned by employing binary-weighted resistors in place of feedback resistor. The behavior of proposed circuit has been tested experimentally in hardware. The results obtained are satisfactory and are also presented.

References

Operational Amplifier based Schmitt Trigger with Digitally Controllable Hysteresis

with controllable hysteresis using dual control gate-floating gate transistor (DCG-FGT)


Index Terms

Computer Science Circuits and Systems

Keywords

Binary Weighted Resistors, Operational Amplifier, Schmitt trigger.