



AK Tech Training and Placements

Transform Dreams into Reality

A Sub-Threshold Differential CMOS Schmitt Trigger with Adjustable Hyst

In this project, a sub-threshold differential CMOS Schmitt trigger with tunable hysteresis is proposed and it can be used to enhance the noise immunity of low-power electronic systems. By exploiting the body bias technique, Hysteresis of the proposed Schmitt trigger can be adjusted. This proposed circuit consumes less power consumption which makes it a suitable for low-power applications such as portable electronic, biomedical, and bio-implantable systems. All the designs are implemented using 180nm technology in Cadence Virtuoso.

Domain: Back End Domains / Cadence EDA

Technology: VLSI