Simple Reference Voltage Generation Circuit Insensitive to Temperature

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1. Research Objective

2. Point of Our Work

Temperature characteristics of NMOSFET





Temp

Voltage Reference with 3.6% ±3δ-inaccuracy from 0°C to 170°C for Low-Power High-Temperature IoT Systems", VLSI Circuit Symp (2019) [2] T. Ida, N. Tsukiji, Y. Shibasaki A. Kuwana, H. Kobayashi, "MOS Reference Current Source Insensitive to Temperature Variation", ICMEMIS, Kiryu (Nov. 2018)