

Supplementary Materials

Improved Pulse-Controlled Conductance Adjustment in Trilayer Resistors by Suppressing Current Overshoot

Hojeong Ryu and Sungjun Kim *

Division of Electronics and Electrical Engineering, Dongguk University, Seoul 04620, Korea;

hojeong.ryu95@gmail.com

* Correspondence: sungjun@dongguk.edu

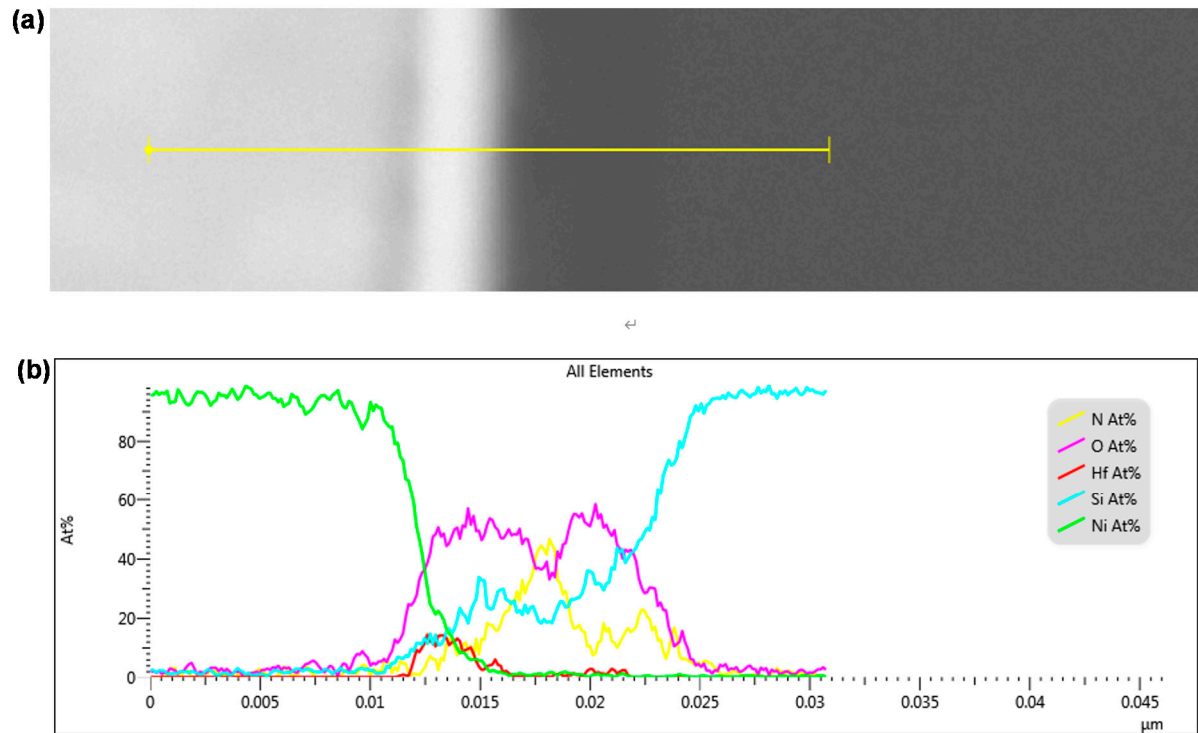


Figure S1. (a) STEM image and (b) EDS line scan of Ni/HfO₂/Si₃N₄/SiO₂/Si device.

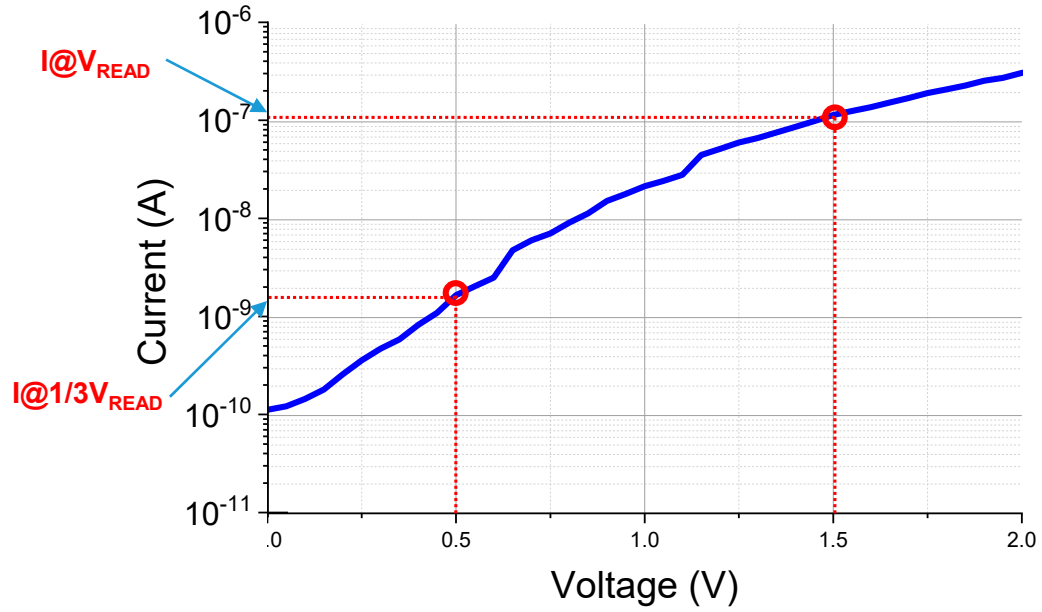


Figure S2. Definition of nonlinearity of I-V in the LRS.

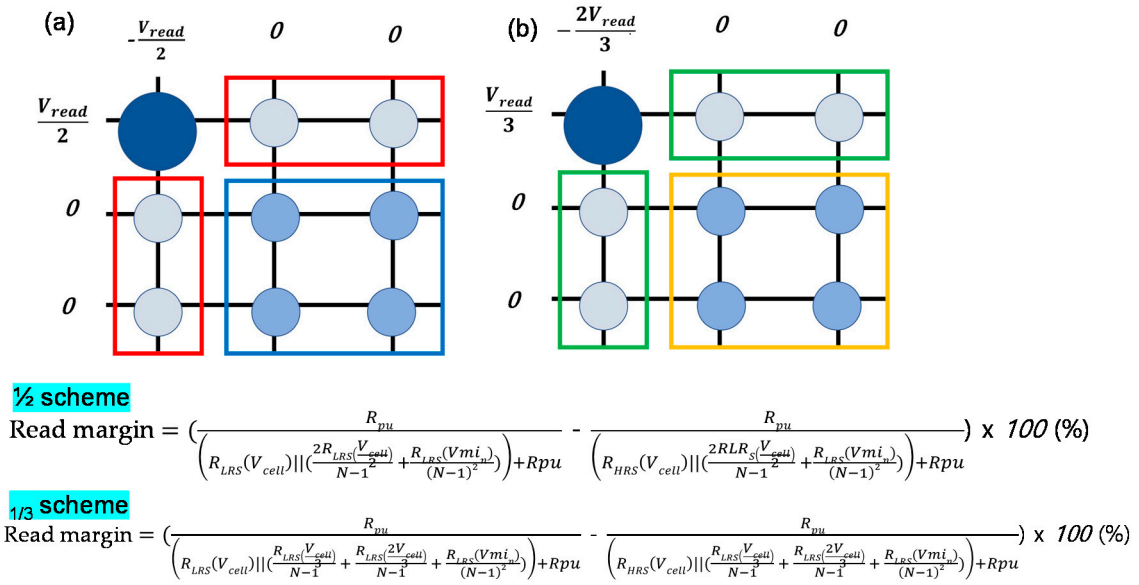


Figure S3. Read scheme: (a) half bias scheme and (b) 1/3 bias scheme and their equation for read margin.