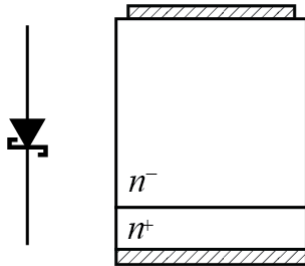




Charge Coupling



T. Fujihira, "Theory of Semiconductor Superjunction Devices"



SJ MOSFET Experimental Potential

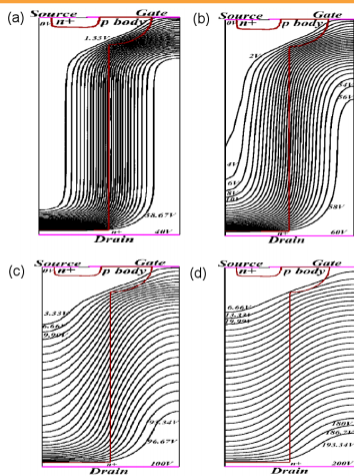
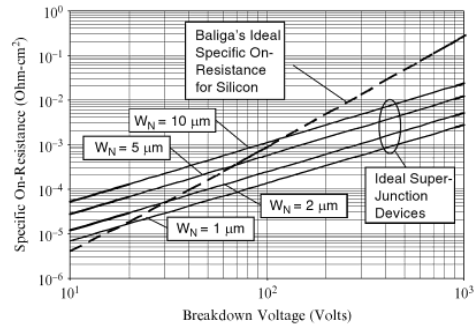


Fig. 3. Potential contours in the CoolMOS structure for (a) $V_{DS} = 40$ V, (b) $V_{DS} = 60$ V, (c) $V_{DS} = 100$ V, and (d) $V_{DS} = 200$ V for $V_{GS} = 0$ V.

P. Kondekar et al., "Study of the Degradation of the Breakdown Voltage of a Super-Junction Power MOSFET due to Charge Imbalance"



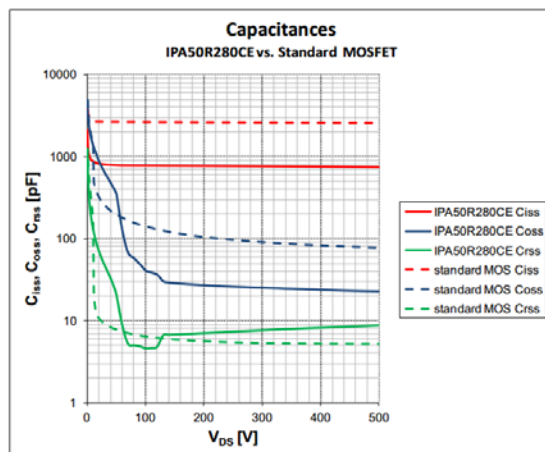
Charge Coupled FOM



Baliga, B J, "Advanced Power MOSFET Concepts"



SJ Capacitance





Modeling Nonlinear Capacitances

