

TABLE I
EXTRACTED VALUE OF V_{th}^{MOS} , V_{DSAT}^s AND V_{DSAT}^d FOR NWTFT

NW Diameter	V_{th}^{MOS} (V)	V_{DSAT}^s (V)	V_{DSAT}^d (V)
25 nm	0.104	0.896	1.0
20 nm	0.100	0.900	1.0
16 nm	0.890	0.911	1.0

TABLE II
EXTRACTED VALUE OF V_{th}^{MOS} AND V_{DSAT}^s AT $V_{GS} = 0.5V$ FOR NWTFT

NW Diameter	Si Source		Si _{0.5} Ge _{0.5} Source	
	V_{th}^{MOS} (V)	V_{DSAT}^s (V)	V_{th}^{MOS} (V)	V_{DSAT}^s (V)
25 nm	0.111	0.389	0.104	0.396
20 nm	0.108	0.392	0.100	0.400
16 nm	0.100	0.400	0.89	0.411