











	Device and circuit parameters	Scaling factor (k <
Scaled parameters	Device dimensions (L, t_{ox} , W, x_j)	k
	Doping concentration $(N_{a'}, N_{d})$	$1/k(1/k^2)^*$
	Voltages	k
Effect on device parameters	Electric field	1
	Carrier velocity	1
	Depletion widths	k
	Capacitance ($C = \varepsilon A/t$)	k
	Drift current	k
Effect on circuit parameters	Device density	1/ <i>k</i> ²
	Power density	1
	Power dissipation per device ($P = VI$)	<i>k</i> ²
	Circuit delay time (≈ <i>CV/1</i>)	k
	Power-delay product ($P\tau$)	<i>k</i> ³

