CMOS Power (2A)

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Definition

Instantaneous Power $P(t) = I(t)V(t)$

What is the relationship between “redundant CORDIC algorithm” and this CORDIC search algorithms?

What is the optimal solution in CORDIC?

What can be cost function of search algorithms?

Definition

Instantaneous Power $$P(t) = I(t)V(t)$$

Energy $$E = \int_0^T P(t)\,dt$$

Average Power $$P_{avg} = \frac{E}{T} = \frac{1}{T}\int_0^T P(t)\,dt$$

References

[1] http://en.wikipedia.org/
[2] N. Weste, “CMOS VLSI Design”