Abstract

Reversible logic is highly useful in nanotechnology, low power design and quantum computing. The paper proposes a power efficient design of an ALU, using Reversible Logic Gates. With power management becoming a critical component for hardware design developers, Reversible Logic can provide a viable alternative towards creating low power digital circuits.

References

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Microprocessor System”
17. NOVEL DESIGN OF OPTIMIZED MULTIPLEXER CIRCUIT USING REVERSIBLE LOGIC Vandana Shukla1, O. P. Singh1, G. R. Mishra1, R. K. Tiwari2 vandanashuklaec05@gmail.com, opsingh@amity.edu, gr_mishra@rediffmail.com, rktiwari2323@yahoo.co.in, Amity School Of Engineering & Technology, Amity University, Lucknow 2Dr. R. M. L. University, Faizabad
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