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## **CORDIC - Wikipedia**

The ALU is the core of the computer - it performs arithmetic and logic operations on data that not only realize the goals of various applications (e.g., scientific and engineering programs), but also manipulate addresses (e.g., pointer arithmetic). In this section, we will

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overview algorithms used for the basic arithmetic and logical operations.

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Proc. 9th IEEE Symposium on Computer Arithmetic, pages 169--173, 1989.

Radix-4 square root without initial PLA.

M.D. Ercegovac and T. Lang. Proc. 9th

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IEEE Symposium on Computer Arithmetic, pages 162--168, 1989.  
Design of an on-line multiply-add module for recursive digital filter s. R.H. Brackert, M.D. Ercegovac, and A.N. Willson.

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