Abstract

Objective of this paper is to present historiography of logic switching circuits. The research mainly focuses on chronological development and application of logic in the field of electronic and computer applications. This paper briefly discussed on the basic needs of logic synthesis and also discuss few interesting facts and design consideration regarding logic synthesis. It also enhances student’s deep understanding of different logic function minimization technique during a lecture and practical implementation.

References

3. Peirce, Charles Sanders. "On the algebra of logic: A contribution to the philosophy of
40. Randall E Bryant, "Graph-based algorithms for Boolean function manipulation."., IEEE Transactions on Computers, (1986), Vol.100, no. 8, 677-691.
Index Terms

Computer Science  Circuits and Systems

Keywords

Boolean function, Combinational logic, Digital electronics, Maxterm, Minimization, Minterms, Multiple inputs, Switching circuit simplification.