Custom memory organization are challenging task in the area of VLSI design. This study aims to design high speed and low power consumption memory for embedded system. Synchronous SRAM has been proposed and analyzed using various simulators. Xilinx simulator simulates the Synchronous SRAM memories which can perform efficient read/write capability for embedded systems. Xilinx tool also provide the access time that required selecting a word and reading it. Synchronous Static RAM which has easily read /writes capability and performs scheduled read /writes operation in efficient manner.


Xilinx tool Homepage: www.xilinx.com/homepage/.

Index Terms

Computer Science
Embedded Systems

Keywords
Embedded System  Memory design  Memory simulation  Xilinx