Abstract

With the arrival of recent generation in the field of VLSI and communication, there is also an ever growing demand for low power consumption and minimum consumed chip area. It is also a well-known reality that the chip location and maximum combinational path delay (MCPD) unit forms an indispensable part of processor layout. Due to this regard, high speed and low area architectures grow to be the want of the day. A fast Fourier transform (FFT) is any rapid algorithm for computing the DFT. The decimation-in-time (DIT) fast Fourier remodel (FFT) very often has advantage over the decimation-in-frequency (DIF) FFT for most real-valued programs, like speech/photo/video processing, biomedical sign processing, and time-collection evaluation, and so on., since it does now not require any output reordering.

References


Index Terms
Computer Science  Signal Processing

Keywords
FFT, Decimation in Time, Decimation in Frequency, real Value data