Abstract

While designing the digital circuits in today’s world, the most desired factors are high performance, speed and cost. FFT is one of the most efficient ways to meet these requirements. In this paper, authors have discussed the DFT algorithm on periodic waveform using different window techniques using the FFT algorithm. This paper shows that the window techniques reduces the spectral leakage and a higher order DFT can be realized very easily using a lower order FFT. Different window techniques are used here on periodic waveforms and simulation is done using Matlab 2015.

References

2. Yazan Samir, Rozita Teymourzadeh “The Effect of the Digit Slicing Architecture on the
Discrete Fourier Transform Analysis with Different Window Techniques Algorithm


Index Terms

Computer Science Algorithms

Keywords

Fast Fourier Transform (FFT), Discrete Fourier Transform (DFT), Matlab.