Abstract

Reactive power measurement is increasingly paid attention by power industry. A novel architecture to measure the reactive power is proposed in this paper. Architecture is described in verilog and implemented using Xilinx ISE 13.1i. In this method voltage and current signals in time domain are converted to the frequency domain and power on each component is calculated to obtain the total reactive power.

References

- Jun Rongi, Gui-xin Zhangi "Electric Energy measurement in Digital Substation on A
Number of Issues Discussed”, CICED2008
- AN-758, Application Note, Analog Devices, One Technology Way, P. O. Box 9106, Norwood, MA 02062-9106, Tel: 781/329-4700, Fax: 781/461-3113 www. analog. com

Index Terms
Computer Science
Power Electronics

Keywords
Xilinx FFT FPGA DFF