

Different Techniques and Algorithms for Biomedical Signal Processing

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ABSTRACT

This paper is intended to give a broad overview of the complex area of biomedical and their use in signal processing. It contains sufficient theoretical materials to provide some understanding of the techniques involved for the researcher in the field. This paper consists of two parts: feature extraction and pattern recognition. The first part provides a basic understanding as to how the time domain signal of patient are converted to the frequency domain for analysis. The second part provides basic for understanding the theoretical and practical approaches to the development of neural network models and their implementation in modeling biological system

Keywords: Biomedical Signal Processing, LPC, IEF, Time Frequency, Neural Network.