Abstract

In this project an algorithm is made that uses the time-resolution decomposition by means of wavelet transform and the codification run length for the compression of electromyography signals. The energy retained present in the compressed signal, the percentage of distortion between the original signal and the compressed signal and the compression ratio is considered, for different values from threshold, finding values of compression of 2.97 times for a retained energy of 95%.

Keywords

Electromyography signals, wavelet transform, codification run length, compression relation.