عنوان مقاله:
Designing A Low Power Low-pass FIR Filter to Eliminate EMG from ECG Signal

محل انتشار:
konfarsan bain meli mendingi berq (salar:1395)

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خلاصه مقاله:
ECG signal is a vital biomedical signal, which helps doctors to recognize the health rate of the patients. This signal is weak. Various noises can disrupt this signal. EMG is one of these noises which is a high-frequency noise for this signal. In this paper, we will design a low-pass FIR filter which eliminates EMG from ECG. Designed FIR filter has less hardware in comparing with typical FIR filters.

کلمات کلیدی:
ECG signal, Noise, FIR filter, Digital Signal Processing, EMG, Digital Filter

لینک ثابت نتیجه مقاله در سیویلیکا:
https://www.civilica.com/Paper-ICELE01-ICELE01_307.html