

Abstract

Electrocardiography (ECG) examines the electrical impulse of the heart over time using electrodes that encompass the outer areas of the body connected to an external device known as the electrocardiogram. The electrocardiogram displays the data of the ECG signal. The ability to analyze the ECG by observing the signal is difficult due to the accelerometer noise in the ECG signal. We designed a computational program using normalized least mean square (NLMS) filter. To test the efficiency of NLMS we used a synthetic ECG. Our simulation results that noise is removed.