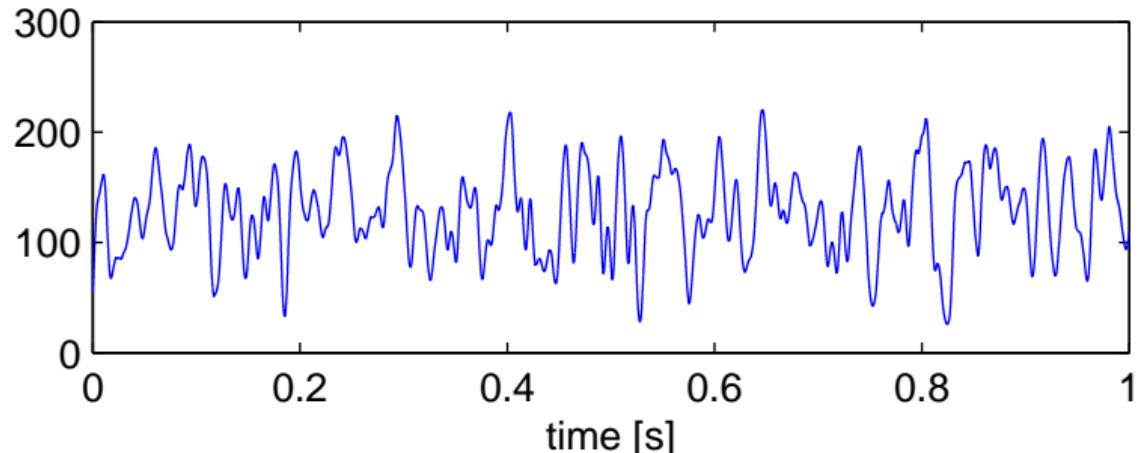convolution method