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Review for #1570375988: Modeling ECG Waveform Using Optimal Smoothing Bézier-Bernstein Curves

Review for #1570375988: Modeling ECG Waveform Using Optimal Smoothing Bézier-Bernstein Curves

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Abstract: This paper considers a problem for modeling mathematically waveform of some Electrocardiogram (ECG) which is the process of measuring and recording the electrical activity of the heart over a period of time. Such a modeling is done by using the smoothing Bézier-Bernstein curves. A concise representation for designing the optimal curves with high precision is derived, which has the additional merit of lending itself to the development of computational procedures in a straightforward manner. The usefulness and effectiveness are demonstrated by some experimental studies.

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