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Variants in ECG signal processing techniques and their applications on-chip architectures. The book is divided into three parts. The first part discusses the state-of-the-art in signal processing techniques for ECG applications, while the second part presents advanced processing techniques for ECG signals, including comparison between ECG signals, and detection of any abnormalities in the signal by using effective learning algorithms and pattern recognition techniques. The processed signals used in this project are obtained from an arrhythmia database, which was developed for research in cardiac electrophysiology by Massachusetts Institute of Technology-Beth Israel Hospital (MIT-BIH). The neural clustering application available in the pattern recognition tool software is used to analyze the data. The results show that the proposed method can achieve high classification accuracy for both normal and abnormal ECG signals.

Classification of ECG Signals

The book "Classification of ECG Signals" is a comprehensive resource for researchers and practitioners working on ECG signal processing. It covers various classification techniques and provides insights into the challenges and opportunities in this field.

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Advances in Intelligent Informatics, Swarm Technology, and Natural Language Processing

This book provides a comprehensive overview of recent developments in intelligent informatics, swarm technology, and natural language processing. It includes contributions from leading experts in these fields, covering a wide range of topics and applications.

Handbook of Research on Information Security in Biomedical Signal Processing

This handbook offers a comprehensive overview of information security in biomedical signal processing, including topics such as image processing, secure access, and watermarking. It is a valuable resource for researchers, professionals, and students working in the field.

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Classification of ECG Signals

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