明治大学先端数理科学インスティテュート

MIMS現象数理カフェセミナー

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Extracting Knowledge From Complex Biomedical signals

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Abstract: Biomedical signals have been intensively studied over the last decades to meet the need in extensive health monitoring in various areas, from patient's recovery evaluation to maintaining the wellbeing of exercising sportsmen. Although recent equipment and techniques allow one to record numerous biological signals containing rich and promising information regarding the various human body systems performance, still extracting useful information from these signals is a challenging task. In this talk challenges and approaches in analyzing complex biomedical signals will be discussed on the example of human photoplethysmogram. As well photoplethysmogram data recording will be demonstrated.

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