

Automatic detection of real and imaginary parts of electrical impedance with single synchronous demodulation channel
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Correlation between electrical bioimpedance and pressure waveform in radial artery and in mechanical pulsating pipe system

Metshein, Margus; Annus, Paul; Land, Raul; Rist, Marek; Min, Mart; Märten, Olev 2020 IEEE International Instrumentation and Measurement Technology Conference (I2MTC 2020), May 25-29, 2020, Dubrovnik, Croatia : proceedings 2020 <https://doi.org/10.1109/I2MTC43012.2020.9128972>

Decomposition of the EBI signal into components using two channel cross-compensating singular spectrum analysis
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A DSP-based EBI, ECG and PPG measurement platform

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DSP-based electrical impedance tomography device: implementation and experiments

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Fiducial point estimation solution for impedance cardiography measurements

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PLL-based extraction of the cardiac component from the bio-impedance signal

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Signal acquisition and algorithm design for bioimpedance-based heart rate estimation from the wrist

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