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Статья

Hybrid Bispectrum-Waterfall Feature Extraction with CS-DSB for RF Receiver

N.Y. Gasparyan, A.A. Hakhounian, E.R. Sivolenko

Armenian Journal of Physics 2025 43-47

Статья

Analysis of Harmonic Signals in Non-Real Time of Moving Targets in Complex Environments Using Higher-Order Statistics in LabVIEW [Анализ гармонических сигналов в нереальном времени движущихся целей в сложных средах с использованием статистики более высоко]

A. Hakhounian, M. Barseghyan, N. Gasparyan, B. Hovhannisyanyan, E. Sivolenko

Известия НАН РА. Физика (Journal of Contemporary Physics (Armenian Academy of Sciences) 2024 408-412

Статья

Techniques for Locating GPS Jammers using GNU Radio

B. Hovhannisyanyan, M. Sahakyan, V. Mkhoyan, E. Sivolenko, A. Aharonyan, S. Makarov

Communications of the Byurakan Astrophysical Observatory 2024 409-411

Статья

Combining Bispectral Analysis with the Levenberg-Marquardt Algorithm for Enhanced Non-linear Signal Processing in Astronomy

E. Sivolenko, N. Gasparyan, A. Aharonyan, V. Avetisyan, M. Vinnichenko

Communications of the Byurakan Astrophysical Observatory 2024 402-408

Статья

Statistical analysis of the electroencephalographic signals

Babken Hovhannisyanyan, Tigran Hovhannisyanyan, Armen Makaryan, Eduard Sivolenko, Vanand Mkhoyan

IET Conference Proceedings 2024 23-25

Статья

More accurate and effective monitoring of moving targets in complex environments using “spectral mask” for harmonic signatures using higher-ordered statistics

Eduard Sivolenko, Arsen Hakhounian, Naira Gasparyan, Mane Barseghyan, Hakob Babayan

IET Conference Proceedings 2024 49-52

Статья

SC-DSB signal as a probe signal for testing nonlinearity in electronic circuits

Naira Gasparyan, Arsen Hakhounian, Eduard Sivolenko, Mane Barseghyan

IET Conference Proceedings 2024 75-78

Статья

Registration of Brain Radio Signals and Their Bispectral Analysis

B. A. Hovhannisyanyan, H.L. Ayvazyan, S.V. Antonyan, A. H. Makaryan, E. R. Sivolenko, G. A. Tsaturyan

Journal of Contemporary Physics (Armenian Academy of Sciences) 2022 87-90

Статья

Extracting Human Brain Signals from the EEG Records Using LabVIEW and Advanced Signal Processing

Babken Hovhannisyanyan, Eduard Sivolenko, Armen Makaryan, Hamlet Ayvazyan, Andrei Medvedev,

Valentina Temkina

Springer Proceedings in Physics (International Youth Conference on Electronics, Telecommunications and Information Technologies)

2022 183-190

Статья

РЕГИСТРАЦИЯ РАДИОСИГНАЛОВ МОЗГА И ИХ БИСПЕКТРАЛЬНЫЙ АНАЛИЗ

Г.Л. АЙВАЗЯН, С.В. АНТОНЯН, А.О. МАКАРЯН, Б.А. ОГАНЕСЯН, Э.Р. СИВОЛЕНКО, Г.А. ЦАТУРЯН

Известия НАН РА. Физика (Journal of Contemporary Physics (Armenian Academy of Sciences) 2022

125-130

Конференция

AM signal finding in the environment full of micro doppler shifts using bispectral analysis.

Babken Hovhannisyanyan, Sivolenko Eduard, Andrey Medvedev
