

Application of higher order Haar wavelet method for solving nonlinear evolution equations

Ratas, Mart; Salupere, Andrus Mathematical modelling and analysis 2020 / p. 271-288 <https://doi.org/10.3846/mma.2020.11112>
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Janno, Jaan Fractional calculus and applied analysis 2020 / p. 1678–1701 <https://doi.org/10.1515/fca-2020-0083> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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Kaldmäe, Arvo; Kotta, Ülle; Shumsky, Alexey; Zhirabok, Alexey Nonlinear analysis : hybrid systems 2018 / p. 42-53
<https://doi.org/10.1016/j.nahs.2017.11.001> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Enhancing D-bar reconstructions for electrical impedance tomography with conformal maps

Hyvönen, Nuutti; Päivärinta, Lassi Juhani; Tamminen, Janne Pertti Olavi Inverse problems & imaging 2018 / p. 373-400 : ill
<https://doi.org/10.3934/ipi.2018017> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Inverse problems for a generalized subdiffusion equation with final overdetermination

Kinash, Nataliia; Janno, Jaan Mathematical modelling and analysis 2019 / p. 236–262 <https://doi.org/10.3846/mma.2019.016> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

On an electromagnetic problem in a corner and its applications

Blasten, Emilia; Liu, Hongyu; Xiao, Jingni Analysis & PDE 2021 / p. 2207-2224 <https://doi.org/10.2140/apde.2021.14.2207> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Scattering by curvatures, radiationless sources, transmission eigenfunctions, and inverse scattering problems

Blasten, Emilia; Liu, Hongyu SIAM Journal on Mathematical Analysis 2021 / p. 3801-3837 <https://doi.org/10.1137/20M1384002> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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Ratas, Mart; Salupere, Andrus; Majak, Jüri Mathematical modelling and analysis 2021 / p. 147–169
<https://doi.org/10.3846/mma.2021.12920> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

State feedback linearization of nonlinear control systems on homogeneous time scales

Bartosiewicz, Zbigniew; Belikov, Juri; Kotta, Ülle; Wyrwas, Małgorzata Nonlinear analysis: hybrid systems 2019 / p. 69-85
<https://doi.org/10.1016/j.nahs.2018.08.002> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)