

Detecting anisotropic inclusions through EIT

Cristina, Jan; Päivärinta, Lassi Juhani Archive for rational mechanics and analysis 2017 / p. 1139-1160
<https://doi.org/10.1007/s00205-017-1151-y>

Detecting anisotropic inclusions through EIT [Online resource]

Cristina, Jan; Päivärinta, Lassi Juhani arXiv.org 2016 / p. 1-18 <https://arxiv.org/abs/1511.01233v2>

Determination of time-dependent sources and parameters of nonlocal diffusion and wave equations from final data

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

Fractional Brownian motion and asymptotic Bayesian estimation [Online resource]

Päivärinta, Lassi Juhani; Piironen, Petteri arXiv.org 2016 / p. 1-55 : ill <https://arxiv.org/abs/1606.07576v1>

Identification of a kernel in an evolutionary integral equation occurring in subdiffusion

Janno, Jaan; Kasemets, Kairi Journal of inverse and ill-posed problems 2017 / p. 777-798 <https://doi.org/10.1515/jiip-2016-0082>

Inverse acoustic scattering problem in half-space with anisotropic random impedance [Online resource]

Helin, Tapio; Lassas, Matti; Päivärinta, Lassi Juhani arXiv.org 2014 / p. 1-26 <https://arxiv.org/abs/1407.2481v2>

An inverse problem for a generalized fractional derivative with an application in reconstruction of time- and space-dependent sources in fractional diffusion and wave equations

Kinash, Natalia; Janno, Jaan Mathematics 2019 / art. 1138, p. 1-16 <https://doi.org/10.3390/math7121138> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Inverse problem to determine order of derivative and kernel in generalized time fractional diffusion equation

Janno, Jaan Mathematical modelling and analysis 2016 : abstracts 2016 / p. 32 http://www.ester.ee/record=b4573512*est

Inverse problems for a generalized subdiffusion equation with final overdetermination

Kinash, Natalia; 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

Inverse problems for a parabolic integrodifferential equation in a convolutional weak form

Kasemets, Kairi; Janno, Jaan Abstract and applied analysis 2013 / p. 1-16 : ill

Inverse problems for a perturbed time fractional diffusion equation with final overdetermination

Kinash, Natalia; Janno, Jaan Mathematical methods in the applied sciences 2018 / p. 1925-1943 : ill

<https://doi.org/10.1002/mma.4719> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Inverse problems for parabolic integro-differential equations with two kernels

Kasemets, Kairi; Janno, Jaan 18th International Conference on Mathematical Modelling and Analysis and 4th International Conference on Approximation Methods and Orthogonal Expansions : May 27-30, 2013, Tartu, Estonia : abstracts : the conference is dedicated to the 75th birthday of professor Gennadi Vainikko 2013 / p. 57

The inverse Robin boundary value problem in a half-space

Päivärinta, Lassi Juhani; Zubeldia, Miren Applicable analysis 2015 / p. 2565-2587

Lugeja küsib: miks talvel laevad (näiliselt) õhku töusevad? [Võrguväljaanne]

Kalda, Jaan novaator.err.ee 2021 "[Lugeja küsib: miks talvel laevad \(näiliselt\) õhku töusevad?](#)"

A mathematical model for abrasive erosion wear in composite Fe-based matrix with WC-Co reinforcement

Casesnoves, Francisco; Surženkov, Andrei Materials and contact characterisation VIII 2017 / p. 99-111 : ill
<http://dx.doi.org/10.2495/MC170101>

Mathematics. Special Issue "Inverse and Ill-Posed Problems"

2020 https://www.mdpi.com/journal/mathematics/special_issues/Inverse_Ill-posed_Problems

On-line corrosion monitoring of plate structures based on guided wave tomography using piezoelectric sensors

Rao, Jing; Ratassepp, Madis; Lisevych, Danylo; Caffoor, Mahadhir Hamzah; Fan, Zheng Sensors 2017 / art. 2882, p. 1-14 : ill
<http://dx.doi.org/10.3390/s17122882>

Positive-energy D-bar method for acoustic tomography : a computational study

de Hoop, M. V.; Lassas, Matti; Santacesaria, M.; Siltanen, Samuli; Tamminen, Janne Pertti Olavi Inverse problems 2016 / art. 025003, p. 1-35 : ill <http://dx.doi.org/10.1088/0266-5611/32/2/025003>

Reconstruction of an orthotropic thermal conductivity from non-local heat flux measurements

Huntul, M.J.; Hussein, M.S.; Lesnic, D.; Ivanchov, M.I.; **Kinash, Natalia** International journal of Mathematical modelling and numerical optimisation 2020 / p. 102-122 <https://doi.org/10.1504/IJMMNO.2020.104327> [Journal metrics at Scopus](#) [Article at Scopus](#)

Reconstruction of coefficients of higher order nonlinear wave equations by measuring solitary waves

Janno, Jaan; Šeletska, Anna Wave motion 2015 / p. 15-25 : ill <http://dx.doi.org/10.1016/j.wavemoti.2014.08.005>

Reconstruction of coefficients of higher order nonlinear wave equations by solitary waves

Janno, Jaan; Šeletska, Anna Mathematical modelling and analysis 2016 : abstracts 2016 / p. 33
http://www.esther.ee/record=b4573512*est

Review of electrical machine diagnostic methods applicability in the perspective of Industry 4.0

Asad, Bilal; Vaimann, Toomas; Rassõlkin, Anton; Kallaste, Ants; Belahcen, Anouar Scientific Journal of Riga Technical University. Electrical, control and communication engineering 2018 / p. 108–116 : ill <https://doi.org/10.2478/ecce-2018-0013>

Strictly convex corners scatter [Online resource]

Päivärinta, Lassi Juhani; Salo, Mikko; Vesalainen, Esa V. arXiv.org 2014 / p. 1-27 <https://arxiv.org/abs/1404.2513v2>

The D-bar method for diffuse optical tomography : a computational study

Tamminen, Janne Pertti Olavi; Tarvainen, T.; Siltanen, Samuli Experimental mathematics 2017 / p. 225-240 : ill
<http://dx.doi.org/10.1080/10586458.2016.1157775>

Uniqueness for an inverse problem for a semilinear time-fractional diffusion equation

Janno, Jaan; Kasemets, Kairi Inverse problems and imaging 2017 / p. 125-149 <http://dx.doi.org/10.3934/ipi.2017007>