

A resolution theorem prover for intuitionistic logic

Tammet, Tanel Automated deduction - CADE 14 : proceedings : 14th International Conference on Automated Deduction : Townsville, North Queensland, Australia, July 13-17, 1997 1997 / p. 2-16 https://link.springer.com/chapter/10.1007/3-540-61511-3_65

Alternative equations of magnetophotoelasticity and approximate solution of the inverse problem

Ainola, Leo; Aben, Hillar Journal of the Optical Society of America A, Optics image science and vision 2002 / 9, p. 1886-1893

An alternative approach to solving of the inverse kinematics

Zhigailov, Sergei; Arjasov, Gennadi 12th International Symposium "Topical Problems in the Field of Electrical and Power Engineering." Doctoral School of Energy and Geotechnology II : Kuressaare, Estonia, June 11-16, 2012 2012 / p. 164-165 : ill

The borderlines of invisibility and visibility in Calderón's inverse problem

Astala, Kari; Lassas, Matti; **Päiväranta, Lassi Juhani** Analysis and PDE 2016 / p. 43 - 98 <https://doi.org/10.2140/apde.2016.9.43>
[Journal metrics at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Degenerate memory kernels identification problem with flux-type additional conditions

Pais, Enno Journal of inverse and ill-posed problems 2006 / 4, p. 397-418
<https://www.degruyter.com/document/doi/10.1515/156939406777571003/html>

A general inverse problem for a memory kernel in one-dimensional viscoelasticity

Janno, Jaan; Wolfersdorf, Lothar von Zeitschrift für Analysis und ihre Anwendungen = Journal for analysis and its applications 2002 / 2, p. 465-483

Global ellipsoid-referenced topographic, bathymetric and stripping corrections to gravity disturbance

Vajda, Peter; **Ellmann, Artu**; Meurers, B.; Vanicek, P.; Novak, Pavel; Tenzer, Robert Studia geophysica et geodaetica 2008 / 1, p. 19-34 <https://link.springer.com/article/10.1007/s11200-008-0003-5>

Gravity disturbances in regions of negative heights : a reference quasi-ellipsoid approach

Vajda, Peter; **Ellmann, Artu**; Meurers, B.; Vanicek, P.; Novak, Pavel; Tenzer, Robert Studia geophysica et geodaetica 2008 / 1, p. 35-52 : ill <https://link.springer.com/article/10.1007/s11200-008-0004-4>

Identification of a special class of memory kernels in one-dimensional heat flow

Janno, Jaan; Wolfersdorf, Lothar von Journal of inverse and ill-posed problems 2001 / 4, p. 389-411
<https://www.degruyter.com/document/doi/10.1515/jiip.2001.9.4.389/html>

Identification of exponentially decreasing memory kernels in heat conduction and viscoelasticity by finite-dimensional inverse problems

Janno, Jaan; Wolfersdorf, Lothar von Journal of inverse and ill-posed problems 2005 / 1, p. 65-92
<https://www.degruyter.com/document/doi/10.1515/1569394053583757/html>

Identification of memory kernels in heat flow measuring heat flux at the ends of the bar

Pais, Enno Mathematical modelling and analysis 2010 / 4, p.473-490 <https://journals.vilniustech.lt/index.php/MMA/article/view/6038>

Identification of memory kernels in one-dimensional heat flow with boundary conditions of the third kind

Janno, Jaan; Wolfersdorf, Lothar von Inverse problems in engineering 2001 / p. 175-198
<https://www.tandfonline.com/doi/abs/10.1080/174159701088027760>

Identification of microstructured materials by phase and group velocities

Janno, Jaan; Engelbrecht, Jüri Mathematical modelling and analysis 2009 / 1, p. 57-68
<https://www.tandfonline.com/doi/abs/10.3846/1392-6292.2009.14.57-68>

Identification of two degenerate time- and space-dependent kernels in a parabolic equation [Electronic resource]

Pais, Enno; Janno, Jaan Electronic journal of differential equations 2005 / [20] p. - URL: <http://ejde.math.txstate.edu>
<https://digital.library.txst.edu/items/216b6af0-0d14-48f5-9c79-1d542a857a5c>

Identification of weakly singular relaxation kernels in three-dimensional viscoelasticity

Janno, Jaan Journal of mathematical analysis and applications 2001 / p. 133-159
<https://www.sciencedirect.com/science/article/pii/S0022247X0197547X>

An inverse problem arising in compression of poro-viscoelastic medium

Janno, Jaan Proceedings of the Estonian Academy of Sciences. Physics. Mathematics 2000 / 2, p. 75-89

An inverse problem for identification of a time- and space-dependent memory kernel in viscoelasticity

Janno, Jaan; Wolfersdorf, Lothar von Inverse problems 2001 / p. 13-24 <https://iopscience.iop.org/article/10.1088/0266-5611/17/1/302>

Inverse problem for vibrating quasi-homogeneous string

Inverse problem to determine degenerate memory kernels in heat flux with third kind boundary conditions

Pais, Enno; Janno, Jaan Mathematical modelling and analysis 2006 / 4, p. 472-450

<https://journals.vilniustech.lt/index.php/MMA/article/view/9651>

Inverse problem to determine two time-dependent source factors of fractional diffusion-wave equations from final data and simultaneous reconstruction of location and time history of a point source

Janno, Jaan Mathematics 2023 / art. 456, 17 p <https://doi.org/10.3390/math11020456> [Journal metrics at Scopus](#) [Article at Scopus](#)
[Journal metrics at WOS](#) [Article at WOS](#)

Inverse problem to identify a space-dependent diffusivity coefficient in a generalized subdiffusion equation from final data

Janno, Jaan; Kasemets, Kairi; Kinash, Nataliia Proceedings of the Estonian Academy of Sciences 2022 / p. 3-15

<https://doi.org/10.3176/proc.2022.1.01> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Inverse problems for a generalized fractional diffusion equation with unknown history

Janno, Jaan Inverse problems 2024 / art. 125015 <https://doi.org/10.1088/1361-6420/ad92a3> [Journal metrics at Scopus](#) [Article at Scopus](#)
[Journal metrics at WOS](#) [Article at WOS](#)

Inverse problems for identification of memory kernels in thermo- and poroviscoelasticity

Janno, Jaan; Wolfersdorf, Lothar von Mathematical methods in the applied sciences 1998 / p. 1495-1517

Inverse problems for integrodifferential equations with space- and time-dependent kernels

Janno, Jaan 7th International Conference : Mathematical Modelling and Analysis, May 31 - June 2, 2002, Kääriku, Estonia : abstracts 2002 / p. 24

Inverse problems for microstructured materials

Janno, Jaan 4th International Conference Inverse Problems : Modelling and Simulation : Fethiye, 26-30.05.2008 : abstracts 2008 / p. 85

Inverse problems for parabolic integro-differential equations with instant and integral conditions

Kasemets, Kairi; Janno, Jaan 17th International conference on "Mathematical Modelling and Analysis" : June 6-9, 2012, Tallinn, Estonia : abstracts 2012 / p. 68

Inverse problems for parabolic integro-differential equations with instant and integral conditions = Hetk- ja integraaltingimustega pöördülesanded paraboolsetele integrodiferentsiaalvõrranditele

Kasemets, Kairi 2016 https://www.ester.ee/record=b4573686*est

Inverse problems related to a coupled system of microstructure

Janno, Jaan; Engelbrecht, Jüri Inverse problems 2008 / p. 045017 (15 p.) : ill

Inverse source problem with a posteriori boundary measurement for fractional diffusion equations

Janno, Jaan; Kian, Yavar arXiv.org 2022 / 17 p <https://doi.org/10.48550/arXiv.2207.06468>

Inverse source problem with a posteriori boundary measurement for fractional diffusion equations

Janno, Jaan; Kian, Yavar Mathematical methods in the applied sciences 2023 / p. 15868-15882 <https://doi.org/10.1002/mma.9432>
[Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Microstructured materials : inverse problems

Janno, Jaan; Engelbrecht, Jüri 2011 https://www.ester.ee/record=b2720026*est

Microstructured solids and inverse problems

Engelbrecht, Jüri; Janno, Jaan Rendiconti del Seminario Matematico (Universita e Politecnico di Torino) 2007 / p. 159-169
https://www.researchgate.net/publication/267166606_Microstructured_solids_and_inverse_problem

Nonlinear waves in solids and inverse problems

Engelbrecht, Jüri; Ravasoo, Arvi; Salupere, Andrus Abstract Book, IUTAM Symposium on Computational Mechanics of Solid Materials at Large Strains : August 20-24, 2001, Stuttgart, Germany 2001 / p. ?

On a generalized method of Lavrent'ev regularization

Janno, Jaan Inverse and Direct Problems - Conference held in Cortona, Italy, 2005 2005 / Abs. 9

On Lavrentiev regularization for ill-posed problems in Hilbert scales

Janno, Jaan; Tautenhahn, Ulrich Numerical functional analysis and optimization 2003 / 5/6, p. 531-555

<https://www.tandfonline.com/doi/full/10.1081/NFA-120023870>

Periodic and solitary waves in microstructured solids and related inverse problems

Janno, Jaan; Sertakov, Ivan 17th International conference on "Mathematical Modelling and Analysis" : June 6-9, 2012, Tallinn, Estonia : abstracts 2012 / p. 57

Periodic waves in microstructured solids and inverse problems

Sertakov, Ivan; Janno, Jaan Mathematical modelling and analysis 2012 / p. 599-617

https://www.researchgate.net/publication/261695332_Periodic_Waves_in_Microstructured_Solids_and_Inverse_Problems

A positivity principle for parabolic integro-differential equations and final overdetermination

Janno, Jaan Direct, Inverse and Control Problems for PDE's : DICOP : Cortona, 22-26.09.2008 : abstracts 2008 / p. 12

<https://www.aims sciences.org/article/doi/10.3934/ipi.2009.3.17>

A positivity principle for parabolic integro-differential equations and inverse problems with final overdetermination

Janno, Jaan; Kasemets, Kairi Inverse problems and imaging 2009 / 1, p. 17-41

Reconstruction of a source term in a parabolic integro-differential equation from final data

Kasemets, Kairi; Janno, Jaan Mathematical modelling and analysis 2011 / p. 199-219

<https://journals.vilniustech.lt/index.php/MMA/article/view/5524>

Resolution, inverse method and the sequent calculus

Tammet, Tanel Computational Logic and Proof Theory : 5th Kurt Gödel Colloquium, KGC'97 : Vienna, Austria, August 25-29, 1997 : proceedings 1997 / p. 65-83 https://link.springer.com/content/pdf/10.1007/3-540-63385-5_33.pdf

Shape classification using hydrodynamic detection via a sparse large-scale 2D-sensitive artificial lateral line

Wolf, Ben J.; Piri, Primoz; Kruusmaa, Maarja; Van Netten, Sietse M. IEEE Access 2020 / p. 11393 - 11404

<https://doi.org/10.1109/ACCESS.2020.2965316> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

The inverse Sturm-Liouville problem for quasi-homogeneous potential and the variational method

Ainola, Leo Tallinna Tehnikaülikooli Toimetised 1994 / lk. 11-18

Unique determination of a planar screen in electromagnetic inverse scattering

Ola, Petri; Päiväranta, Lassi Juhani; Sadique, Sadia Mathematics 2023 / art. 4655 <https://doi.org/10.3390/math11224655> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Variability and extremes of the Caspian Sea's modelled wave climate

Giudici, Andrea; Mannikus, Rain; Soomere, Tarmo Ocean engineering 2025 / art. 123077

<https://doi.org/10.1016/j.oceaneng.2025.123077>

Üksiklained mittelineaarses mikrostruktuuriga tahkises ja nendega seotud pöördülesanne

Janno, Jaan; Engelbrecht, Jüri Aastaraamat 2005 / Eesti Matemaatika Selts 2006 / lk. 12-29

Некоторые результаты численного решения одной обратной задачи гидродинамики

Tiiman, Ago Гидроаэродинамика и динамика систем управления 1987 / с. 123-128