

Personal Information

Email: zheltukh@metu.edu.tr

Advising Theses

ZHELTUKHIN K., On some classes of semi-discrete Darboux integrable equations, Doctorate, E.BİLEN(Student), 2017

Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- **On the discretization of Darboux Integrable Systems**
ZHELTUKHIN K., ZHELTUKHINA N.
JOURNAL OF NONLINEAR MATHEMATICAL PHYSICS, vol.27, pp.616-632, 2020 (Journal Indexed in SCI)
- **Nonlocal hydrodynamic type of equations**
GÜRSES M., Pekcan A., ZHELTUKHIN K.
COMMUNICATIONS IN NONLINEAR SCIENCE AND NUMERICAL SIMULATION, vol.85, 2020 (Journal Indexed in SCI)
- **Discrete symmetries and nonlocal reductions**
GÜRSES M., Pekcan A., ZHELTUKHIN K.
PHYSICS LETTERS A, vol.384, 2020 (Journal Indexed in SCI)
- **On the discretization of Laine equations**
ZHELTUKHIN K., ZHELTUKHINA N.
JOURNAL OF NONLINEAR MATHEMATICAL PHYSICS, vol.25, pp.166-177, 2018 (Journal Indexed in SCI)
- **On a class of Darboux-integrable semidiscrete equations**
ZHELTUKHIN K., ZHELTUKHINA N., Bilen E.
ADVANCES IN DIFFERENCE EQUATIONS, 2017 (Journal Indexed in SCI)
- **Semi-discrete hyperbolic equations admitting five dimensional characteristic x-ring**
ZHELTUKHIN K., ZHELTUKHINA N.
JOURNAL OF NONLINEAR MATHEMATICAL PHYSICS, vol.23, pp.351-367, 2016 (Journal Indexed in SCI)
- **Cartan matrices and integrable lattice Toda field equations**
Habibullin I., ZHELTUKHIN K., Yangubaeva M.
JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL, vol.44, 2011 (Journal Indexed in SCI)
- **Dynamical systems and Poisson structures**
Guerses M., Guseinov G. S., ZHELTUKHIN K.
JOURNAL OF MATHEMATICAL PHYSICS, vol.50, 2009 (Journal Indexed in SCI)
- **Bi-presymplectic chains of co-rank 1 and related Liouville integrable systems**
Blaszak M., Guerses M., ZHELTUKHIN K.
JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL, vol.42, 2009 (Journal Indexed in SCI)
- **Hydrodynamic type integrable equations on a segment and a half-line**
Guerses M., Habibullin I., ZHELTUKHIN K.
JOURNAL OF MATHEMATICAL PHYSICS, vol.49, 2008 (Journal Indexed in SCI)
- **Integrable boundary value problems for elliptic type Toda lattice in a disk**
Guerses M., Habibullin I., ZHELTUKHIN K.
JOURNAL OF MATHEMATICAL PHYSICS, vol.48, 2007 (Journal Indexed in SCI)
- **On a transformation between hierarchies of integrable equations**
GÜRSES M., ZHELTUKHIN K.

- PHYSICS LETTERS A, vol.351, pp.37-40, 2006 (Journal Indexed in SCI)
Hamiltonian equations in R-3
Ay A., GÜRSES M., ZHELTUKHIN K.
- JOURNAL OF MATHEMATICAL PHYSICS, vol.44, pp.5688-5705, 2003 (Journal Indexed in SCI)
Recursion operator and dispersionless rational Lax representation
ZHELTUKHIN K.
- Physics Letters A, vol.297, pp.402-407, 2002 (Journal Indexed in SCI Expanded)
Some remarks on vector-valued integration.
Kadets V., Shumyatskiy B., Shvidkoy R., ZHELTUKHIN K., Tseytlin L.
- Journal of Mathematical Physics, Analysis, Geometry, 2002 (Journal Indexed in SCI Expanded)
On the integrability of a class of Monge-Ampere equations
BRUNELLI J. C. , GÜRSES M., ZHELTUKHIN K.
- REVIEWS IN MATHEMATICAL PHYSICS, vol.13, pp.529-543, 2001 (Journal Indexed in SCI)
Recursion operators of some equations of hydrodynamic type
GÜRSES M., ZHELTUKHIN K.
- JOURNAL OF MATHEMATICAL PHYSICS, vol.42, pp.1309-1325, 2001 (Journal Indexed in SCI)
Some Remrks on Vector Measures Duality
ZHELTUKHIN K., Kadets V.
- QUAESTIONES MATHEMATICAE, 2000 (Journal Indexed in SCI Expanded)
A vector-valued measure as a basis of a Banach space.
ZHELTUKHIN K., Kadets V.
- Journal of Mathematical Physics, Analysis, Geometry, 1998 (Journal Indexed in SCI Expanded)

Articles Published in Other Journals

- **RECURSION OPERATOR FOR A SYSTEM WITH NON-RATIONAL LAX REPRESENTATION**
ZHELTUKHIN K.
- UFA MATHEMATICAL JOURNAL, vol.8, pp.112-118, 2016 (Journal Indexed in ESCI)
A Banach space generated by the upper Darboux integral.
ZHELTUKHIN K.
- Matematichnī Studīi, 1992 (Journal Indexed in ESCI)

Refereed Congress / Symposium Publications in Proceedings

- **On existence of an x-integral for a semi-discrete chain of hyperbolic type**
ZHELTUKHIN K., ZHELTUKHINA N.
23rd International Conference on Integrable Systems and Quantum Symmetries (ISQS), Prague, Czech Republic, 23
- 27 June 2015, vol.670

Citations

Total Citations (WOS):85

h-index (WOS):5