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Kişisel Bilgiler

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Araştırma Alanları

Temel Bilimler

Akademik Unvanlar / Görevler

Doç.Dr., Orta Doğu Teknik Üniversitesi, Fen Edebiyat Fakültesi, Matematik Bölümü, 2017 - Devam Ediyor

Dr.Öğr.Üyesi, Orta Doğu Teknik Üniversitesi, Fen Edebiyat Fakültesi, Matematik Bölümü, 2004 - 2017

Öğretim Görevlisi Dr., İhsan Doğramacı Bilkent Üniversitesi, Fen Fakültesi, Matematik Bölümü, 2002 - 2004

Verdiği Dersler

Discrete Mathematics, Lisans, 2020 - 2021

Partial Differential Equations, Lisans, 2019 - 2020, 2020 - 2021

Special Functions of Applied Mathematics, Lisans, 2019 - 2020, 2020 - 2021

Applied Mathematics II, Lisans, 2018 - 2019, 2019 - 2020

Calculus of Functions of Several Variables, Lisans, 2018 - 2019

Lebesgue Integral, Lisans, 2019 - 2020

Yönetilen Tezler

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

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **On the discretization of Darboux Integrable Systems**
ZHELTUKHIN K., ZHELTUKHINA N.
JOURNAL OF NONLINEAR MATHEMATICAL PHYSICS, cilt.27, sa.4, ss.616-632, 2020 (SCI İndekslerine Giren Dergi)
- II. **Nonlocal hydrodynamic type of equations**
Gürses M., Pekcan A., Zheltukhin K.
COMMUNICATIONS IN NONLINEAR SCIENCE AND NUMERICAL SIMULATION, cilt.85, 2020 (SCI İndekslerine Giren Dergi)
- III. **Discrete symmetries and nonlocal reductions**
GÜRSES M., Pekcan A., ZHELTUKHIN K.
PHYSICS LETTERS A, cilt.384, sa.3, 2020 (SCI İndekslerine Giren Dergi)
- IV. **On the discretization of Laine equations**
ZHELTUKHIN K., ZHELTUKHINA N.
JOURNAL OF NONLINEAR MATHEMATICAL PHYSICS, cilt.25, sa.1, ss.166-177, 2018 (SCI İndekslerine Giren Dergi)

- V. **On a class of Darboux-integrable semidiscrete equations**
 ZHELTUKHIN K., ZHELTUKHINA N., Bilen E.
 ADVANCES IN DIFFERENCE EQUATIONS, 2017 (SCI İndekslerine Giren Dergi)
- VI. **Semi-discrete hyperbolic equations admitting five dimensional characteristic x-ring**
 ZHELTUKHIN K., ZHELTUKHINA N.
 JOURNAL OF NONLINEAR MATHEMATICAL PHYSICS, cilt.23, sa.3, ss.351-367, 2016 (SCI İndekslerine Giren Dergi)
- VII. **Cartan matrices and integrable lattice Toda field equations**
 Habibullin I., ZHELTUKHIN K., Yangubaeva M.
 JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL, cilt.44, sa.46, 2011 (SCI İndekslerine Giren Dergi)
- VIII. **Dynamical systems and Poisson structures**
 Guerses M., Guseinov G. S., ZHELTUKHIN K.
 JOURNAL OF MATHEMATICAL PHYSICS, cilt.50, sa.11, 2009 (SCI İndekslerine Giren Dergi)
- IX. **Bi-presymplectic chains of co-rank 1 and related Liouville integrable systems**
 Blaszkak M., Guerses M., ZHELTUKHIN K.
 JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL, cilt.42, sa.28, 2009 (SCI İndekslerine Giren Dergi)
- X. **Hydrodynamic type integrable equations on a segment and a half-line**
 Guerses M., Habibullin I., ZHELTUKHIN K.
 JOURNAL OF MATHEMATICAL PHYSICS, cilt.49, sa.10, 2008 (SCI İndekslerine Giren Dergi)
- XI. **Integrable boundary value problems for elliptic type Toda lattice in a disk**
 Guerses M., Habibullin I., ZHELTUKHIN K.
 JOURNAL OF MATHEMATICAL PHYSICS, cilt.48, sa.10, 2007 (SCI İndekslerine Giren Dergi)
- XII. **On a transformation between hierarchies of integrable equations**
 GÜRSES M., ZHELTUKHIN K.
 PHYSICS LETTERS A, cilt.351, ss.37-40, 2006 (SCI İndekslerine Giren Dergi)
- XIII. **Hamiltonian equations in R-3**
 Ay A., GÜRSES M., ZHELTUKHIN K.
 JOURNAL OF MATHEMATICAL PHYSICS, cilt.44, sa.12, ss.5688-5705, 2003 (SCI İndekslerine Giren Dergi)
- XIV. **Recursion operator and dispersionless rational Lax representation**
 ZHELTUKHIN K.
 Physics Letters A, cilt.297, ss.402-407, 2002 (SCI Expanded İndekslerine Giren Dergi)
- XV. **Some remarks on vector-valued integration.**
 Kadets V., Shumyatskiy B., Shvidkoy R., ZHELTUKHIN K., Tseytlin L.
 Journal of Mathematical Physics, Analysis, Geometry, 2002 (SCI Expanded İndekslerine Giren Dergi)
- XVI. **On the integrability of a class of Monge-Ampere equations**
 BRUNELLI J. C., GÜRSES M., ZHELTUKHIN K.
 REVIEWS IN MATHEMATICAL PHYSICS, cilt.13, sa.4, ss.529-543, 2001 (SCI İndekslerine Giren Dergi)
- XVII. **Recursion operators of some equations of hydrodynamic type**
 GÜRSES M., ZHELTUKHIN K.
 JOURNAL OF MATHEMATICAL PHYSICS, cilt.42, sa.3, ss.1309-1325, 2001 (SCI İndekslerine Giren Dergi)
- XVIII. **Some Remrks on Vector Measures Duality**
 ZHELTUKHIN K., Kadets V.
 QUAESTIONES MATHEMATICAE, 2000 (SCI Expanded İndekslerine Giren Dergi)
- XIX. **A vector-valued measure as a basis of a Banach space.**
 ZHELTUKHIN K., Kadets V.
 Journal of Mathematical Physics, Analysis, Geometry, 1998 (SCI Expanded İndekslerine Giren Dergi)

Diğer Dergilerde Yayınlanan Makaleler

- I. **ON DISCRETIZATION OF DARBOUX INTEGRABLE SYSTEMS ADMITTING SECOND-ORDER INTEGRALS**
 Zheltukhin K., Zheltukhina N.

UFA MATHEMATICAL JOURNAL, cilt.13, sa.2, ss.170-186, 2021 (ESCI İndekslerine Giren Dergi)

II. Recursion operator for a system with non-rational Lax representation

ZHELTUKHIN K.

Ufa Mathematical Journal, cilt.8, sa.2, ss.112-118, 2016 (Diğer Kurumların Hakemli Dergileri)

III. A Banach space generated by the upper Darboux integral.

ZHELTUKHIN K.

Matematichnī Studīi, 1992 (ESCI İndekslerine Giren Dergi)

Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

I. 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, Çek Cumhuriyeti,
23 - 27 Haziran 2015, cilt.670

Atıflar

Toplam Atıf Sayısı (WOS):106

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