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Education Information

Doctorate, Yıldız Technical University, Graduate School of Natural and Applied Sciences, Turkey 1996 - 2000

Post Graduate, Yıldız Teknik Üniversitesi, Fen Ve Edebiyat Fakültesi, Fizik, Turkey 1993 - 1996

Under Graduate, Yıldız Teknik Üniversitesi, Fen Ve Edebiyat Fakültesi, Fizik, Turkey 1989 - 1993

Dissertations

Doctorate, Çok bileşenli süper çözülebilir sistemlerin hamilton yapıları, Yıldız Technical University, Faculty of Arts & Science, Department of Physics, 2000

Post Graduate, İyonosferin iletkenliği ve manyetik alanların neden olduğu magneto-akustik gravite dalgalarının sönüme uğraması, Yıldız Technical University, Faculty of Arts & Science, Department of Physics, 1996

Research Areas

Physics, Natural Sciences

Academic Titles / Tasks

Associate Professor, Yıldız Teknik Üniversitesi, Fen Ve Edebiyat Fakültesi, Fizik, 2012 - Continues

Assistant Professor, Yıldız Teknik Üniversitesi, Fen Ve Edebiyat Fakültesi, Fizik, 2002 - Continues

Research Assistant, Yıldız Teknik Üniversitesi, Fen Ve Edebiyat Fakültesi, Fizik, 1995 - 2002

Professional Experience

Head of Department, Yıldız Teknik Üniversitesi, Beden Eğitimi Bölümü, 2016 - 2018

Fakülte Akademik Kurul Üyesi, Yıldız Technical University, 2014 - 2017

Courses

Teorik Klasik Mekanik, Post Graduate, 2019 - 2020

Klasik Mekanik, Under Graduate, 2018 - 2019

Klasik Elektromanyetik Teori 1, Under Graduate, 2016 - 2017

Fizikte Diferansiyel Denklemler, Under Graduate, 2015 - 2016

Advising Theses

YAZICI D., Asimetrik Heavenly denkleminin simetri indirgemesi ve bi-Homilton Yapısı, Post Graduate, H.Sert(Student), 2013

YAZICI D., 3+1 boyutta integre edilebilir ve bi-Hamiltoniyen Yapıları, Post Graduate, B.Memişoğlu(Student), 2009

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

- **Symmetries, integrals and hierarchies of new (3+1)-dimensional bi-Hamiltonian systems of Monge–Ampère type**
Sheftel M., Yazıcı D.
Journal of Geometry and Physics, vol.146, 2019 (Journal Indexed in SCI)
- **Lax pairs, recursion operators and bi-Hamiltonian representations of (3+1)-dimensional Hirota type equations**
Sheftel M. B. , YAZICI D.
JOURNAL OF GEOMETRY AND PHYSICS, vol.136, pp.207-227, 2019 (Journal Indexed in SCI)
- **Evolutionary Hirota Type (2+1)-Dimensional Equations: Lax Pairs, Recursion Operators and Bi-Hamiltonian Structures**
Sheftel M. B. , YAZICI D.
SYMMETRY INTEGRABILITY AND GEOMETRY-METHODS AND APPLICATIONS, vol.14, 2018 (Journal Indexed in SCI)
- **Recursion operators and bi-Hamiltonian structure of the general heavenly equation**
Sheftel M. B. , YAZICI D., MALYKH A. A.
JOURNAL OF GEOMETRY AND PHYSICS, vol.116, pp.124-139, 2017 (Journal Indexed in SCI)
- **Generalization of bi-Hamiltonian systems in (3+1) dimension, possessing partner symmetries**
YAZICI D.
JOURNAL OF GEOMETRY AND PHYSICS, vol.101, pp.11-18, 2016 (Journal Indexed in SCI)
- **Recursion Operators and Tri-Hamiltonian Structure of the First Heavenly Equation of Plebanski**
Sheftel M. B. , YAZICI D.
SYMMETRY INTEGRABILITY AND GEOMETRY-METHODS AND APPLICATIONS, vol.12, 2016 (Journal Indexed in SCI)
- **Anti-self-dual gravitational metrics determined by the modified heavenly equation**
Sheftel M. B. , YAZICI D.
JOURNAL OF GEOMETRY AND PHYSICS, vol.85, pp.252-258, 2014 (Journal Indexed in SCI)
- **Bi-Hamiltonian structure of an asymmetric heavenly equation**
Yazıcı D.
JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL, vol.44, 2011 (Journal Indexed in SCI)
- **BI-HAMILTONIAN REPRESENTATION, SYMMETRIES AND INTEGRALS OF MIXED HEAVENLY AND HUSAIN SYSTEMS**
Sheftel M. B. , YAZICI D.
JOURNAL OF NONLINEAR MATHEMATICAL PHYSICS, vol.17, pp.453-484, 2010 (Journal Indexed in SCI)
- **MULTIPLE LOCAL LAGRANGIANS FOR n-COMPONENT SUPER-KORTEWEG DE VRIES-TYPE BI-HAMILTONIAN SYSTEMS**
Oguz O., YAZICI D.
INTERNATIONAL JOURNAL OF MODERN PHYSICS A, vol.25, pp.1069-1078, 2010 (Journal Indexed in SCI)
- **Self-dual gravity is completely integrable**
Nutku Y., Sheftel M. B. , Kalayci J., YAZICI D.
JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL, vol.41, 2008 (Journal Indexed in SCI)
- **Symmetry Reductions of Second Heavenly Equation and 2+1-Dimensional Hamiltonian Integrable Systems**
YAZICI D., Sheftel M. B.

- JOURNAL OF NONLINEAR MATHEMATICAL PHYSICS, vol.15, pp.417-425, 2008 (Journal Indexed in SCI)
Symmetries, integrals, and three-dimensional reductions of Plebanski's second heavenly equation
Neyzi F., Sheftel M. B., Yazici D.
- PHYSICS OF ATOMIC NUCLEI, vol.70, pp.584-592, 2007 (Journal Indexed in SCI)
Dirac constraint analysis and symplectic structure of anti-self-dual Yang-Mills equations
Camci U., Can Z., Nutku Y., Sucu Y., Yazici D.
- PRAMANA-JOURNAL OF PHYSICS, vol.67, pp.1043-1053, 2006 (Journal Indexed in SCI)
Hamiltonian structure of multi component integrable systems
Yazici D., Oguz O., Oguz O.
- CZECHOSLOVAK JOURNAL OF PHYSICS, vol.51, pp.1459-1463, 2001 (Journal Indexed in SCI)
Multi-component bi-super hamiltonian KdV systems
Yazici D., Oguz O., Oguz O.
- JOURNAL OF PHYSICS A-MATHEMATICAL AND GENERAL, vol.34, pp.7713-7718, 2001 (Journal Indexed in SCI)

Articles Published in Other Journals

- **(2+1)-dimensional bi-Hamiltonian system obtained from symmetry reduction of (3+1)- dimensional Hirota type equation**
Yazici D.
- AIP Conference Proceedings, no.30049, pp.1-4, 2019 (Journal Indexed in ESCI)
Symmetry reduction of the first heavenly equation and 2
YAZICI D.
- TURKISH JOURNAL OF PHYSICS, vol.42, pp.183-190, 2018 (Journal Indexed in ESCI)
Symmetry Reduction of Asymmetric Heavenly Equation and 2 1 Dimensional Bi Hamiltonian System
YAZICI D., SERT H.
- Jornal of Geometry and Symmetry in Physics, vol.34, no.34, pp.87-96, 2014 (Refereed Journals of Other Institutions)
A new 2 1 Dimesional Hamiltonian Integrable System
YAZICI D.
- Sigma Mühendislik ve Fen Bilimleri Dergisi, vol.27, pp.118-128, 2009 (Other Refereed National Journals)
Çok Bileşenli Lineer Olmayan Süper Çözülebilir Sistemler
Yazici D.
- Yıldız Teknik Üniversitesi Dergisi, vol.2001, pp.9-19, 2002 (Other Refereed National Journals)
Orta Atmosferde Yatay Rüzgar Hızının Mevsimsel Değişimi ve Gravite Dalgaları Üzerindeki etkileri
Yazici D.
- İstanbul Ticaret Üniversitesi Dergisi, vol.1, pp.253-264, 2002 (National Refreed University Journal)
İyonosferin İletkenliği ve Manyetik Alanların Neden Olduğu Magneto Akustik Gravite Dalgalarının Sönüme Uğraması
YAZICI D., OGUZ O.
- Yıldız Teknik Üniversitesi Dergisi, vol.3, pp.253-264, 1996 (Other Refereed National Journals)

Refereed Congress / Symposium Publications in Proceedings

- **(2+1)-Dimensional Bi-Hamiltonian System Obtained from Symmetry Reduction of (3+1)- Dimensional Hirota Type Equation**
Yazici D.
Turkish Physical Society-35th International Physics Congress (TPS-35), Muğla, Turkey, 3 - 08 September 2019, pp.252
- **Recursion operators and tri Hamiltonian structure of the first heavenly equation of Plebanski**

YAZICI D., Sheftel M. B.

XXIV nd International Colloquium on Integrable Systems (ISQS-24), Prague, Czech Republic, 14 - 18 June 2016

Two different bi-Hamiltonian structure of the First Heavenly Equation of Plebanski

Yazıcı D.

XXIV International Conference on Integrable Sysetms and Quantum Symmetries, Praha, Czech Republic, 14 - 18 June 2016, pp.1-2

Bi-Hamiltonian Structure of Modified Heavenly Equation

Yazıcı D.

Turkish Physical Society, 31st International Physics Congress, Muğla, Turkey, 21 - 24 July 2014, pp.1

SYMMETRY REDUCTION OF ASYMMETRIC HEAVENLY EQUATION AND 2+1-DIMENSIONAL BI-HAMILTONIAN SYSTEM

YAZICI D., Sert H.

15th International Conference on Geometry, Integrability and Quantization, Varna, Bulgaria, 7 - 12 June 2013, pp.309-317

Dirac Constraint Analysis and Symplectic Structure of an Asymmetric Heavenly Equations

YAZICI D.

Turkish Physical Society, 29th International Physics Conference, Muğla, Turkey, 5 - 08 September 2012

3 1 Dimensional Mullti Hamiltonian Integrable Systems

YAZICI D., MEMİŞOĞLU B.

Turkish Physical Society, 26. International Physics Conference, Muğla, Turkey, 24 - 27 September 2009

Mixed heavenly equation: a new integrable multi-Hamiltonian system

Yazıcı D.

Eighth International conference Symetry in Nonlinear Mathematical Physics, Kyyiv, Ukraine, 21 - 27 July 2009, pp.1-2

Symmetry reductions of second heavenly equation and 2 1 dimensional Hamiltonian integrable systems

Yazıcı D., M B S.

NEEDS 2007 Workshop, Barcelona, Spain, 17 - 23 June 2007

Multiple Lagrangians for n-component bi-Hamiltonian systems

Yazıcı D.

Turk Physical Society 23rd International Physics Congress, Muğla, Turkey, 13 - 16 September 2005, pp.400-405

Gravity Waves Induced Ionization Lakers in The F Region Over İstanbul

Yazıcı D., Can Z., Aslan Z., Oğuz O.

Geophysical Research Abstracts, Amsterdam, Netherlands, 07 July 1999, vol.1, no.3, pp.624

Gezici İyonosfer Bozuklukları ve Es Tabakası

OĞUZ O., YAZICI D., CAN Z.

Türk Fizik Derneği, 17.Fizik Kongresi, Alanya, Turkey, 27 - 31 October 1998

İyonosferin İletkenliği ve Manyetik Alanların Neden Olduğu Magneto Akustik Gravite Dalgalarının Sönüme Uğraması

YAZICI D., OĞUZ O.

Türk Fizik Derneği 15.Fizik Kongresi, Turkey, 26 - 29 September 1994

Supported Projects

YAZICI D., SHEFTEL M. B. , Project Supported by Higher Education Institutions, Matematiksel fizikte lineer olamayan denklemlerin simetrisi korunum yasaları integre edilebilirlik ve biHamiltoniyen yapıları, 2018 - 2019

Yazıcı D., Kaya R., Can Z., Project Supported by Higher Education Institutions, Kütle çekim Dalgaları, 2000 - 2004

Citations

Total Citations (WOS):60

h-index (WOS):5