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Education Information

Doctorate, Ege University, Fen Bilimleri Enstitüsü, Genel Astronomi, Turkey 1990 - 1995

Postgraduate, Ege University, Fen Bilimleri Enstitüsü, Astrofizik, Turkey 1987 - 1989

Undergraduate, Ege University, Faculty Of Science, Astronomi Ve Uzay Bilimleri - Fizik, Turkey 1982 - 1986

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, BIANCHI TİPİ KOZMOLOJİLER, Ege University, Fen Bilimleri Enstitüsü, Genel Astronomi, 1995

Postgraduate, IŞIK-ZAMAN ETKİSİ VE BAZI UYGULAMALARI, Ege University, Fen Bilimleri Enstitüsü, Astrofizik, 1989

Research Areas

Physics, Interdisciplinary Physics and Related Science and Technology Areas, Electromagnetism, Acoustics, Heat Transfer, Classical Mechanics and Fluid Dynamics, Basic Particles and Areas, Natural Sciences

Published journal articles indexed by SCI, SSCI, and AHCI

I. Teleparallel energy-momentum distribution of various black hole and wormhole metrics

Aygun S., Baysal H., Aktas C., Yilmaz I., Sahoo P. K., Tarhan I.

INTERNATIONAL JOURNAL OF MODERN PHYSICS A, vol.33, no.30, 2018 (SCI-Expanded)

II. Energy-momentum localization for Bianchi type-IV Universe in general relativity and teleparallel

gravity

AYGÜN S., TARHAN İ.

PRAMANA-JOURNAL OF PHYSICS, vol.78, no.4, pp.531-548, 2012 (SCI-Expanded)

- III. **The Decay of Massive Scalar Field in Non-Static Godel Type Universe with Viscous Fluid and Heat Flow**
Ayguen S., TARHAN İ.
INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS, vol.47, no.12, pp.3257-3266, 2008 (SCI-Expanded)
- IV. **Scalar field theory and energy-momentum problem of Yilmaz-Rosen metric in general relativity and teleparallel gravity**
AYGÜN S., TARHAN İ., Baysal H.
ASTROPHYSICS AND SPACE SCIENCE, vol.314, no.4, pp.323-330, 2008 (SCI-Expanded)
- V. **Energy distributions of the Szekeres universes in teleparallel gravity**
AYGÜN S., TARHAN İ., BAYSAL H.
INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS, vol.47, no.3, pp.722-731, 2008 (SCI-Expanded)
- VI. **Energy momentum of marder universe in teleparallel gravity**
Ayguen S., Baysal H., Tarhan I.
INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS, vol.46, no.10, pp.2607-2616, 2007 (SCI-Expanded)
- VII. **Moller energy-momentum complex in general relativity for higher dimensional universes**
Ayguen M., Ayguen S., Yilmaz I., Baysal H., Tarhan I.
CHINESE PHYSICS LETTERS, vol.24, no.7, pp.1821-1824, 2007 (SCI-Expanded)
- VIII. **On the energy-momentum problem in static Einstein universe**
Aygun S., Tarhan I., Baysal H.
CHINESE PHYSICS LETTERS, vol.24, no.2, pp.355-358, 2007 (SCI-Expanded)
- IX. **Energy-momentum localization in Marder space-time**
Aygun S., Aygun M., Tarhan I.
PRAMANA-JOURNAL OF PHYSICS, vol.68, no.1, pp.21-30, 2007 (SCI-Expanded)
- X. **Energy distributions in Szekeres type I and II space-times**
Aygun S., Aygun M., Tarhan I.
ACTA PHYSICA POLONICA B, vol.37, no.10, pp.2781-2793, 2006 (SCI-Expanded)
- XI. **Conformal collineations in string cosmology**
Baysal H., CAMCI U., Tarhan I., Yilmaz I., YAVUZ İ.
INTERNATIONAL JOURNAL OF MODERN PHYSICS D, vol.11, no.3, pp.463-469, 2002 (SCI-Expanded)
- XII. **Some cosmological models with perfect fluid, scalar field and heat flux in rotating universe**
Tarhan I.
ASTRONOMISCHE NACHRICHTEN, vol.323, no.5, pp.494-498, 2002 (SCI-Expanded)
- XIII. **Rotating string cosmologies with scalar field and heat flux**
Baysal H., Yilmaz I., Tarhan I.
INTERNATIONAL JOURNAL OF MODERN PHYSICS D, vol.10, no.6, pp.935-942, 2001 (SCI-Expanded)
- XIV. **Ricci collineations of the Bianchi types I and III, and Kantowski-Sachs spacetimes**
CAMCI U., Baysal H., Tarhan I., Yilmaz I., YAVUZ İ.
INTERNATIONAL JOURNAL OF MODERN PHYSICS D, vol.10, no.5, pp.751-765, 2001 (SCI-Expanded)
- XV. **Generation of Bianchi type V universes filled with a perfect fluid**
CAMCI U., YAVUZ İ., Baysal H., Tarhan I., Yilmaz I.
ASTROPHYSICS AND SPACE SCIENCE, vol.275, no.4, pp.391-400, 2001 (SCI-Expanded)
- XVI. **Curvature inheritance symmetry in Riemannian spaces with applications to string cloud and string fluids**
Yilmaz I., Tarhan I., YAVUZ İ., Baysal H., CAMCI U.
INTERNATIONAL JOURNAL OF MODERN PHYSICS D, vol.8, no.5, pp.659-668, 1999 (SCI-Expanded)
- XVII. **Some string cosmological models in Bianchi Type I space-time**
Yavuz I., Tarhan I.
ASTROPHYSICS AND SPACE SCIENCE, vol.240, no.1, pp.45-54, 1996 (SCI-Expanded)

Articles Published in Other Journals

- I. **Investigation of offshore wind characteristics for the northwest of Türkiye region by using multi-criteria decision-making method (MOORA)**
Başaran H. H., TARHAN İ.
Results in Engineering, vol.16, 2022 (Scopus)
- II. **Afganistan'ın Yenilenebilir Enerji Kaynaklarının Teorik Potansiyelleri ve Kullanım Kapasiteleri**
Abdul Maroof S., TARHAN İ.
Çanakkale Onsekiz Mart Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.5, no.1, pp.157-186, 2019 (Peer-Reviewed Journal)
- III. **Rüzgar Enerjisinin Önemli Geçiş Yerlerinden Olan Çanakkale Bölgesindeki Bazı Rüzgar Enerji Santralleri için Kapasite Faktörü İncelemesi**
GENÇEL H., TARHAN İ.
Çanakkale Onsekiz Mart Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.5, no.1, pp.120-139, 2019 (Peer-Reviewed Journal)
- IV. **Skaler Alan Kozmolojilerde Manyetik Alan Kaynaklı Bazı Kozmolojik Modeller**
KANMAZ K., TARHAN İ.
Dumlupınar Üniversitesi Fen Bilimleri Enstitüsü Dergisi, no.34, pp.41-56, 2015 (Peer-Reviewed Journal)

Books & Book Chapters

- I. **Biyokütle Enerjisi**
Tarhan İ., Yüksel B., Demircan O., Özmetin C., Türkeş M., Sümer S. K., Yiğit M., Baysal H., Şahiner N., İlten N., et al.
in: TR22 Güney Marmara Bölgesi Yenilenebilir Enerji Araştırması Sonuç Raporu, Prof. Dr. İsmail TARHAN, Prof. Dr. Bedri YÜKSEL, Editor, GMKA, Balıkesir, pp.70-96, 2013

Refereed Congress / Symposium Publications in Proceedings

- I. **Kraniyospinal VMAT ışınlamalarında iç içe alanların kullanımının olası setup hatalarındaki doz dağılımına etkisi**
DURMUŞ İ. F., TAŞ B., ATALAY E. D., TARHAN İ., ERTEKİN M. V.
XII. Ulusal Radyasyon Onkolojisi Kongresi, Antalya, Turkey, 20 - 24 April 2016
- II. **Comparing Dose Distributions of Dose to Water and Dose to Medium Calculations for Lung Intracranial SRT**
ATALAY E. D., DURMUŞ İ. F., TAŞ B., TARHAN İ.
1st Int. Physics Conference At Anatolian Peak (IPCAP 2016), Erzurum, Turkey, 25 - 27 February 2016
- III. **BERTOTTİ ROBINSON UZAY ZAMANININ ENERJİ MOMENTUM DAĞILIMLARI**
AYGÜN S., AYGÜN M., TARHAN İ., BAYSAL H.
XVI. Ulusal Astronomi Kongresi, V. Ulusal Astronomi Kongresi, Turkey, 8 - 12 September 2008
- IV. **Bertotti-Robinson Uzay-Zamanının Enerji-Momentum Dağılımları**
AYGÜN S., ULU DOĞRU M., TARHAN İ., BAYSAL H.
6th XVI. Ulusal Astronomi Kongresi ve V. Ulusal Öğrenci Astronomi Kongresi-2008, Turkey, 8 - 12 September 2008
- V. **Some Properties of Gödel Space-Time with Viscous Fluid and Scalar Field**
VARLIKLI N., BAKALA P., TARHAN İ.
RAGTIME - 2007, Opava, Czech Republic, 16 - 19 September 2007
- VI. **The Decay of Massive Scalar Field in a Rotating Universe**
AYGÜN S., AYGÜN M., VARLIKLI N., TARHAN İ.
12th Regional Conference on Mathematical Physics, Islamabad, Pakistan, 27 March - 01 April 2006
- VII. **Some Cosmological Models with Scalar Field and Their Properties**

AYGÜN S., TARHAN İ., ULU DOĞRU M., BAYSAL H.

23rd International Physics Congress, Muğla, Turkey, 13 - 16 October 2005, pp.1287-1292

VIII. SOME COSMOLOGICAL MODELS WITH SCALAR FIELDS AND THEIR PROPERTIES

AYGÜN S., TARHAN İ., BAYSAL H.

23. International Physical Congress, Muğla, Turkey, 13 - 16 October 2005

IX. Some Cosmological Models with Cosmic Strings in Scalar Field Cosmologies

AYGÜN S., TARHAN İ., AYGÜN M., BAYSAL H.

World Year of Physics 2005- Turkish Physical Society 23rd International Physics Congress, 13 - 16 September 2005

X. Some Cosmological Models with Cosmic Strings in Scalar Field Cosmologies and Their Properties

AYGÜN S., TARHAN İ., ULU DOĞRU M., BAYSAL H.

Türk Fizik Derneği Uluslar arası Kongresi, Muğla Üniversitesi -2005, 13 - 16 September 2005

XI. Riemann Uzayındaki Eğrilik Inheritance Simetrinin String Bulutu ve String Akışkan'ına Uygulaması

YILMAZ İ., YAVUZ İ., BAYSAL H., TARHAN İ., CAMCI U.

XII. Ulusal Astronomi Toplantısı, İzmir, Turkey, 11 May - 14 April 2001, pp.509-520

XII. Kozmik Nötrino Kaynaklı Bazı Kozmolojik Modeller

TARHAN İ., ÖZDEMİR M., BAYSAL H., CAMCI U., YILMAZ İ., YAVUZ İ.

XII: Ulusal Astronomi Toplantısı, İzmir, Turkey, 11 - 14 May 2001, pp.495-507

XIII. Bir İdeal Akışkanla Dolu Bianchi Tipi V Uzay-Zaman Çözümleri

CAMCI U., YAVUZ İ., BAYSAL H., TARHAN İ., YILMAZ İ.

II. Spil Fen Bilimleri Kongresi, Manisa, Turkey, 23 - 25 October 1997, vol.2, pp.75-80

XIV. Bianchi Tipi III Uzay-Zamanda Isı Akılı String (Sicim) Kozmolojinin Bazı Exact Çözümleri

YAVUZ İ., YILMAZ İ., TARHAN İ., BAYSAL H., CAMCI U., ERDEM A., DEMİR R.

II. Spil Fen Bilimleri Kongresi, Manisa, Turkey, 23 - 25 October 1997, vol.2, pp.113-119

XV. Sitring Akışkanlarda Inheritance Konformal Simetriler

YAVUZ İ., YILMAZ İ., BAYSAL H., TARHAN İ.

I. Kızılırmak Fen Bilimleri Kongresi, Kırıkkale, Turkey, 14 - 16 May 1997, pp.135-146

XVI. Bianchi Tipi I Uzay-Zamanda Bazı String (Sicim) Kozmolojik Modeller

YAVUZ İ., TARHAN İ., BAYSAL H., CAMCI U., YILMAZ İ.

I. Kızılırmak Fen Bilimleri Kongresi, Kırıkkale, Turkey, 14 - 16 May 1997, pp.200-211

Supported Projects

TARHAN İ., BAYSAL H., CAMCI U., Project Supported by Higher Education Institutions, Genel relativite teorisi çerçevesinde evrenin plazma yapısı ve evrimi, 2001 - 2006

YILMAZ İ., BAYSAL H., TARHAN İ., AKTAŞ C., Project Supported by Higher Education Institutions, Rotasyon Yapan ideal Akışkanlı, skaler alanlı ve ısı akılı kozmolojik Modeller, 2001 - 2006

BAYSAL H., YILMAZ İ., CAMCI U., TARHAN İ., Project Supported by Higher Education Institutions, String kozmolojide konformal kollinasyonlar, 2001 - 2003

Metrics

Publication: 40

Citation (WoS): 160

Citation (Scopus): 179

H-Index (WoS): 9

H-Index (Scopus): 10