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### Kişisel Bilgiler

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**Birim:** Uygulamalı Matematik

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### Makaleler (YOKSIS)

#### 1 A specific Sturm-Liouville differential equation

TANRIVERDİ TANFER

Thermal Science, <http://www.doiserbia.nb.rs/Article.aspx?ID=0354-98361800329T>

#### 2 A study on Caudrey–Dodd–Gibbon–Sawada–Kotera partial differential equation

BAŞKONUŞ HACI MEHMET, MAHMUD Adnan Ahmad, MUHAMAD Kalsum Abdulrahman, TANRIVERDİ TANFER

Wiley, <http://dx.doi.org/10.1002/mma.8259>

#### 3 An Investigation of the Influence of Time Evolution on the Solution Structure Using Hyperbolic Trigonometric Function Methods

MAHMUD ADNAN AHMAD, TANRIVERDİ TANFER, Muhamad · Kalsum Abdulrahman, BAŞKONUŞ HACI MEHMET

International Journal of Applied and Computational Mathematics, <https://doi.org/10.1007/s40819-024-01769-7>

#### 4 An investigation of Fokas system using two new modifications for the trigonometric and hyperbolic trigonometric function methods

MAHMUD ADNAN AHMAD, MUHAMAD KALSUM ABDULRAHMAN, TANRIVERDİ TANFER, BAŞKONUŞ HACI MEHMET

Optical and Quantum Electronics, <http://dx.doi.org/10.1007/s11082-024-06388-6>

#### 5 An unnoticed way of obtaining the binet form for fibonacci numbers

TANRIVERDİ TANFER

New Trends in Mathematical Science, <http://www.ntmsci.com/AjaxTool/GetArticleByPublishedArticleId?PublishedArticleId=8425>

#### 6 Asymptotic Behavior of Cosine Power Sums

MERCA MIRCEA, TANRIVERDİ TANFER

Le Matematiche,

**7 Characteristic of ion-acoustic waves described in the solutions of the (3+1)-dimensional generalized Korteweg-de Vries-Zakharov-Kuznetsov equation**

MAHMUD Adnan Ahmad, TANRIVERDİ TANFER, MUHAMAD Kalsum Abdulrahman, BAŞKONUŞ HACI MEHMET

Czestochowa University of Technology,<http://dx.doi.org/10.17512/jamcm.2023.2.04>

**8 Classical way of looking at the Lane-Emden equation**

TANRIVERDİ TANFER

Commun. Fac. Sci. Univ. Ank. Ser. A1 Math.

Stat.,<https://dergipark.org.tr/en/pub/cfsuasmas/issue/36517/451619>

**9 Contour integrals associated differential equations**

TANRIVERDİ TANFER

Math. Comput. Modelling,

**10 DIFFERENTIAL TRANSFORM APPLIED TO CERTAIN ODE**

TANRIVERDİ TANFER,AĞIRAĞAÇ NERMİN

Advances in Differential Equations and Control Processes,<http://www.pphmj.com/abstract/11989.htm>

**11 Differential equations with contour integrals**

TANRIVERDİ TANFER

Integral Transforms Spec. Funct.,

**12 Evaluating Sine and Cosine Type Integrals**

TANRIVERDİ TANFER

IJASM,

**13 Exact traveling wave solutions for (2+1)-dimensional Konopelchenko-Dubrovsky equation by using the hyperbolic trigonometric functions methods**

MAHMUD Adnan Ahmad, TANRIVERDİ TANFER, MUHAMAD Kalsum Abdulrahman

Walter de Gruyter GmbH,<http://dx.doi.org/10.2478/ijmce-2023-0002>

**14 Existence of self-similar solutions to Smoluchowski's coagulation equation with product kernel**

TANRIVERDİ TANFER

TURKISH JOURNAL OF MATHEMATICS,<http://dx.doi.org/10.3906/mat-2001-87>

**15 Explicit solution of fractional order atmosphere-soil-land plant carbon cycle system**

TANRIVERDİ TANFER, BAŞKONUŞ HACI MEHMET, MAHMUD Adnan Ahmad, MUHAMAD Kalsum Abdulrahman

Ecological Complexity,<http://dx.doi.org/10.1016/j.ecocom.2021.100966>

**16 General Solution of the Schrödinger Equation for Some Hyperbolic Potentials**

ALICI HAYDAR, TANRIVERDİ TANFER

Few-Body Systems,<http://dx.doi.org/10.1007/s00601-020-01575-z>

**17 General solution of the Schrödinger equation for some trigonometric potentials**

ALICI HAYDAR, TANRIVERDİ TANFER

Journal of Mathematical Chemistry,<http://dx.doi.org/10.1007/s10910-020-01120-7>

- 18 Generalization of the eigenvalues by contour integrals**  
TANRIVERDİ TANFER, MCLEOD J BRYCE  
Appl. Math. Comput.,
- 19 Interaction characteristics of the Riemann wave propagation in the (2+1)-dimensional generalized breaking soliton system**  
MUHAMAD Kalsum Abdulrahman, TANRIVERDİ TANFER, MAHMUD Adnan Ahmad, BAŞKONUŞ HACI MEHMET  
Informa UK Limited, <http://dx.doi.org/10.1080/00207160.2023.2186775>
- 20 Notes on the Riemann zeta function**  
TANRIVERDİ TANFER  
arXiv preprint arXiv:1902.06695,
- 21 Optical Solitary Waves and Soliton Solutions of the (3+1)-Dimensional Generalized Kadomtsev–Petviashvili–Benjamin–Bona–Mahony Equation**  
MAHMUD Adnan Ahmad, BAŞKONUŞ HACI MEHMET, TANRIVERDİ TANFER, MUHAMAD Kalsum Abdulrahman  
Pleiades Publishing Ltd, <http://dx.doi.org/10.1134/s0965542523060131>
- 22 Oscillating Solutions of the Lane-Emden Equation for Polytropic Indices  $m = 0$  and  $1$**   
TANRIVERDİ TANFER  
British Journal of Mathematics Computer Science, <http://www.sciedomain.org/abstract/17453>
- 23 Reformulation of Shapiro's inequality**  
TANRIVERDİ TANFER  
Int. Math. Forum,
- 24 Reverse Shapiro type inequality**  
TANRIVERDİ TANFER  
Int. J. Math. Anal.,
- 25 Schrödinger equation with potential function vanishing exponentially fast**  
TANRIVERDİ TANFER  
Journal of Taibah University for Science, <https://www.tandfonline.com/doi/full/10.1080/16583655.2019.1616905>
- 26 Structure of the analytic solutions for the complex non-linear (2+1)-dimensional conformable time-fractional Schrödinger equation by**  
MAHMUD Adnan Ahmad, TANRIVERDİ TANFER, MUHAMAD Kalsum Abdulrahman, BAŞKONUŞ HACI MEHMET  
National Library of Serbia, <http://dx.doi.org/10.2298/tsci23s1211m>
- 27 Studying on Kudryashov-Sinelshchikov dynamical equation arising in mixtures liquid and gas bubbles**  
BAŞKONUŞ HACI MEHMET, MAHMUD ADNAN AHMAD, MUHAMAD KALSUM ABDULRAHMAN, TANRIVERDİ TANFER, GAO WEI  
National Library of Serbia, <http://dx.doi.org/10.2298/tsci200331247b>
- 28 The analysis of contour integrals**  
TANRIVERDİ TANFER, MCLEOD J BRYCE

- 28** Abstr. Appl. Anal.,
- 29 The Fanno model for turbulent compressible flow**  
TANRIVERDİ TANFER, MCLEOD J BRYCE  
J. Differential Equations,
- Bildiriler (YOKSIS)**
- 1 A Second Order Equation Application of the Akbari- Ganji Method**  
TANRIVERDİ TANFER  
Ege 12th International Conference On Applied Sciences ,
- 2 An Application of the Akbari- Ganji Method**  
TANRIVERDİ TANFER  
Ege 12th International Conference On Applied Sciences ,
- 3 An application of the sine-Gordon method**  
ŞAP Abdülhamit, TANRIVERDİ TANFER  
7th International Conference on Computational Mathematics and Engineering Sciences ,
- 4 Application of exponential function method to a problem**  
TANRIVERDİ TANFER  
7th International Conference on Applied Engineering and Natural Sciences ,
- 5 Bir diferansiyel denklemde Mittag-Leffler fonksiyonları ile çözümü**  
GÜNEŞ MEHMET HAYRULLAH, TANRIVERDİ TANFER  
BLACK SEA SUMMIT 7th INTERNATIONAL APPLIED SCIENCES CONGRESS ,  
[www.karadenizkonkresi.org](http://www.karadenizkonkresi.org)
- 6 Contour integralleri ve karşılık gelen diferansiyel denklem XX Ulusal Matematik Sempozyumu  
Bildiri Özeti Erzurum 2007**  
TANRIVERDİ TANFER  
XX. Ulusal Matematik Sempozyumu Bildiri Özeti ,
- 7 Contour integrals associated differential equations**  
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6th International ISSAC congress ,
- 8 Differential equations with contour integrals**  
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- 9 Notes on the Riemann Zeta Function**  
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- 10 Notes on the zeros of Riemann Zeta Function**  
TANRIVERDİ TANFER

- 10** 8th International Conference on Applied Analysis and Mathematical Modeling ,
- 11 Schrödinger equation with potential vanishing exponentially fast**  
TANRIVERDİ TANFER  
2th International Conference on Pure and Applied Mathematics ,
- 12 Solving fractional differential equations with Laplace transformation**  
İŞLEYEN Duygu, TANRIVERDİ TANFER  
Balkan 10th International Conference On Applied Sciences ,
- 13 Specific Sturm-Liouville Differential Equation**  
TANRIVERDİ TANFER  
7th International Conference on Applied Analysis and Mathematical Modeling ,
- 14 The Fano model for turbulent compressible flow**  
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Variational and Topological Methods and Water Waves ,
- 15 The k epsilon model in turbulence**  
TANRIVERDİ TANFER  
International Conference of Mathematical Sciences (ICMS) ,