

Prof. Salih AYTAR

Personal Information

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Education Information

Doctorate, Suleyman Demirel University, Fen Bilimleri Enstitüsü, , Turkey Continues

Postgraduate, Suleyman Demirel University, Fen Bilimleri Enstitüsü, , Turkey Continues

Undergraduate, Suleyman Demirel University, Fen-Edebiyat Fakültesi, Matematik, Turkey Continues

Research Areas

Mathematics, Sequences, Series, Summability, Functional Analysis, Mathematical Logic and Foundations, Natural Sciences

Academic Titles / Tasks

Professor, Suleyman Demirel University, Fen Edebiyat Fakültesi, Matematik Bölümü, 2014 - Continues

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

- I. **Rough Statistical Cluster Points**
AYTAR S.
FILOMAT, vol.31, no.16, pp.5295-5304, 2017 (Journal Indexed in SCI)
- II. **A new type of convergence for a sequence of rays**
Olmez O., AYTAR S.
KUWAIT JOURNAL OF SCIENCE, vol.43, no.4, pp.75-81, 2016 (Journal Indexed in SCI)
- III. **The relation between rough Wijsman convergence and asymptotic cones**
ÖLMEZ O., AYTAR S.
TURKISH JOURNAL OF MATHEMATICS, vol.40, no.6, pp.1349-1355, 2016 (Journal Indexed in SCI)
- IV. **ORDER INTERVALS IN THE METRIC SPACE OF FUZZY NUMBERS**
Aytar S.
IRANIAN JOURNAL OF FUZZY SYSTEMS, vol.12, no.5, pp.139-147, 2015 (Journal Indexed in SCI)
- V. **On Equivalent Cone Metric Spaces**
Olmez O., AYTAR S.
UKRAINIAN MATHEMATICAL JOURNAL, vol.65, no.12, pp.1898-1903, 2014 (Journal Indexed in SCI)
- VI. **A CHARACTERIZATION THEOREM FOR LEVELWISE STATISTICAL CONVERGENCE**
Aytar S.
FILOMAT, vol.25, no.1, pp.133-143, 2011 (Journal Indexed in SCI)
- VII. **The core of a sequence of fuzzy numbers**
AYTAR S., PEHLİVAN S., Mammadov M. A.
FUZZY SETS AND SYSTEMS, vol.159, no.24, pp.3369-3379, 2008 (Journal Indexed in SCI)
- VIII. **Rough statistical convergence**
Aytar S.
NUMERICAL FUNCTIONAL ANALYSIS AND OPTIMIZATION, vol.29, pp.291-303, 2008 (Journal Indexed in SCI)

- IX. **The rough limit set and the core of a real sequence**
Aytar S.
NUMERICAL FUNCTIONAL ANALYSIS AND OPTIMIZATION, vol.29, pp.283-290, 2008 (Journal Indexed in SCI)
- X. **Levelwise statistical cluster and limit points of a sequence of fuzzy numbers**
AYTAR S., PEHLIVAN S.
INTERNATIONAL JOURNAL OF GENERAL SYSTEMS, vol.37, no.5, pp.573-584, 2008 (Journal Indexed in SCI)
- XI. **Statistical convergence of sequences of fuzzy numbers and sequences of alpha-cuts**
AYTAR S., PEHLIVAN S.
INTERNATIONAL JOURNAL OF GENERAL SYSTEMS, vol.37, no.2, pp.231-237, 2008 (Journal Indexed in SCI)
- XII. **Statistical cluster and extreme limit points of sequences of fuzzy numbers**
Aytar S., Pehlivan S.
INFORMATION SCIENCES, vol.177, no.16, pp.3290-3296, 2007 (Journal Indexed in SCI)
- XIII. **Statistical limit inferior and limit superior for sequences of fuzzy numbers**
Aytar S., Mammadov M., Pehlivan S.
FUZZY SETS AND SYSTEMS, vol.157, no.7, pp.976-985, 2006 (Journal Indexed in SCI)
- XIV. **Statistically monotonic and statistically bounded sequences of fuzzy numbers**
Aytar S., Pehlivan S.
INFORMATION SCIENCES, vol.176, no.6, pp.734-744, 2006 (Journal Indexed in SCI)
- XV. **Statistical limit points of sequences of fuzzy numbers**
Aytar S.
INFORMATION SCIENCES, vol.165, pp.129-138, 2004 (Journal Indexed in SCI)

Articles Published in Other Journals

- I. **ROUGH SEMI-CONTINUOUS SET-VALUED MAPS**
Akçay F. G. , AYTAR S.
TRANSACTIONS OF A RAZMADZE MATHEMATICAL INSTITUTE, vol.175, no.3, pp.313-317, 2021 (Journal Indexed in ESCI)
- II. **Application of polygonal fuzzy numbers to the basic economic order quantity model**
Ozcan I., AYTAR S.
OPSEARCH, 2021 (Journal Indexed in ESCI)
- III. **ROUGH CONTINUOUS CONVERGENCE OF SEQUENCES OF SETS**
Olmez O., ALBAYRAK H., AYTAR S.
FACTA UNIVERSITATIS-SERIES MATHEMATICS AND INFORMATICS, vol.36, no.3, pp.619-626, 2021 (Journal Indexed in ESCI)
- IV. **Consumer Surplus and Producer Surplus of the Linear Demand and Supply Functions using Interval-Valued Triangular Fuzzy Numbers**
Akbas B., AYTAR S.
INTERNATIONAL JOURNAL OF APPLIED MATHEMATICS & STATISTICS, vol.60, no.3, pp.40-48, 2021 (Journal Indexed in ESCI)
- V. **CONSUMER AND PRODUCER SURPLUS OF THE LINEAR DEMAND AND SUPPLY FUNCTIONS BY FUZZIFYING POLYGONAL FUZZY NUMBERS AND DEFUZZIFYING GRADED MEAN**
AYTAR S., ÖZCAN İ.
Journal of International Scientific Publications Economy Business, vol.13, pp.240-246, 2019 (Refereed Journals of Other Institutions)
- VI. **ROUGH CONVERGENCE OF A SEQUENCE OF INTERVALS OF FUZZY NUMBERS**
AYTAR S.
Electronic Journal of Mathematical Analysis and Applications, vol.7, no.1, pp.283-288, 2019 (Refereed Journals of Other Institutions)
- VII. **On the rough convergence for a sequence of interval numbers**

Ölmez Ö., AYTAR S.

Far East Journal of Mathematical Sciences, vol.99, no.12, pp.1849-1858, 2016 (Refereed Journals of Other Institutions)

VIII. **Rough convergence of a sequence of fuzzy numbers**

FATMA G. A. , AYTAR S.

BULLETIN OF MATHEMATICAL ANALYSIS AND APPLICATIONS, vol.7, no.4, pp.17-23, 2015 (Journal Indexed in ESCI)

IX. **On Cauchy sequences in a fuzzy valued metric space**

AYTAR S.

International Journal of Mathematics & Computation, vol.22, no.1, pp.23-29, 2014 (Refereed Journals of Other Institutions)

X. **A neighbourhood system of fuzzy numbers and its topology**

AYTAR S.

Commun. Fac. Sci. Univ. Ank.Series A1, vol.62, no.1, pp.1-12, 2013 (Refereed Journals of Other Institutions)

XI. **On I convergent sequences of real numbers**

AYTAR S., PEHLİVAN S.

Italian Journal of Pure and Applied Math., vol.21, no.0, pp.191-196, 2007 (Refereed Journals of Other Institutions)

XII. **The structure matrix of dynamical systems**

GEORGE O., AYTAR S., SERGEY K.

Differential Equations and Control Processes, vol.2, no.0, pp.32-45, 2001 (Refereed Journals of Other Institutions)

Books & Book Chapters

I. **Konik Kesitler**

DAĞHAN H. A. , AYTAR S., ARUĞASLAN ÇİNÇİN D., YAKIT ONGUN M., YÜCESAN A., GÜRDAL M., KIRLAR B. B. , ÖZKAN TÜKEL G., TURHAN T., ŞAHİNER A.

in: Kalkülüse Giriş, Yusuf Civan, Editor, Nobel, Ankara, pp.219-306, 2017

II. **3. Bölüm İkinci Dereceden Denklemler ve Fonksiyonlar Eşitsizlikler**

ŞAHİNER A., ARUĞASLAN ÇİNÇİN D., KIRLAR B. B. , YÜCESAN A., GÜRDAL M., AYTAR S., TURHAN T., YAKIT ONGUN M., DAĞHAN H. A. , ÖZKAN TÜKEL G.

in: KALKÜLÜSE GİRİŞ: Grafikler ve Modeller - COLLEGE ALGEBRA Graphs and Models, Yusuf Civan, Editor, Nobel, pp.393-474, 2017

III. **Bölüm 2 Fonksiyonlar Hakkında Daha Fazlası**

ŞAHİNER A., YÜCESAN A., ARUĞASLAN ÇİNÇİN D., KIRLAR B. B. , ÖZKAN TÜKEL G., DAĞHAN H. A. , GÜRDAL M., YAKIT ONGUN M., AYTAR S., TURHAN T.

in: Kalkülüse Giriş: Grafikler ve Modeller College Algebra: Graphs and Models, Yusuf Civan, Editor, Nobel Akademik Yayıncılık, pp.93-162, 2017

IV. **5. Bölüm Üstel ve Logaritmik Fonksiyonlar**

DAĞHAN H. A. , AYTAR S., ARUĞASLAN ÇİNÇİN D., YAKIT ONGUN M., YÜCESAN A., GÜRDAL M., KIRLAR B. B. , ÖZKAN TÜKEL G., TURHAN T., ŞAHİNER A.

in: Kalkülüse Giriş: Grafikler ve Modeller, Yusuf Civan, Editor, Nobel, pp.391-482, 2017

V. **Polinom Fonksiyonlar ve Rasyonel Fonksiyonlar**

DAĞHAN H. A. , AYTAR S., ARUĞASLAN ÇİNÇİN D., YAKIT ONGUN M., YÜCESAN A., GÜRDAL M., KIRLAR B. B. , ÖZKAN TÜKEL G., TURHAN T., ŞAHİNER A.

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VI. **Grafikler, Fonksiyonlar ve Modeller**

DAĞHAN H. A. , AYTAR S., ARUĞASLAN ÇİNÇİN D., YAKIT ONGUN M., YÜCESAN A., GÜRDAL M., KIRLAR B. B. , ÖZKAN TÜKEL G., TURHAN T., ŞAHİNER A.

in: Kalkülüse Giriş: Grafikler ve Modeller, Yusuf Civan, Editor, Nobel, Isparta, pp.1-92, 2017

VII. **Bölüm 3, İkinci Dereceden (Kuatratik) Fonksiyonlar ve Denklemler Eşitsizlikler**

YAKIT ONGUN M., ŞAHİNER A., YÜCESAN A., ARUĞASLAN ÇİNÇİN D., KIRLAR B. B. , ÖZKAN TÜKEL G., DAĞHAN H. A. , GÜRDAL M., AYTAR S., TURHAN T.

in: KALKÜLÜSE GİRİŞ: Grafikler ve Modeller - COLLEGE ALGEBRA Graphs and Models, Civan Yusuf, Editor, Nobel Akademik Yayıncılık Eğitim Danışmanlık Tic. Ltd. Şti., Ankara, pp.163-218, 2017

VIII. Diziler, Seriler ve Kombinatorikler

ŞAHİNER A., YÜCESAN A., ARUĞASLAN ÇİNÇİN D., KIRLAR B. B. , ÖZKAN TÜKEL G., DAĞHAN H. A. , YAKIT ONGUN M., AYTAR S., TURHAN T.

in: KALKÜLÜSE GİRİŞ: Grafikler ve Modeller, Yusuf Civan, Editor, Nobel Yayıncılık, 2017

Refereed Congress / Symposium Publications in Proceedings

- I. **CONSUMER SURPLUS OF THE QUADRATIC DEMAND FUNCTION AND PRODUCER SURPLUS OF THE QUADRATIC SUPPLY FUNCTION BY FUZZIFYING POLYGONAL FUZZY NUMBERS AND DEFUZZIFYING GRADED MEAN**
ÖZCAN İ., AYTAR S.
6TH SWS INTERNATIONAL SCIENTIFIC CONFERENCE ON SOCIAL SCIENCES 2019, Varna, Bulgaria, 26 August - 01 September 2019, vol.6, pp.57-64
- II. **Fuzzy revenue for linear and quadratic demand functions using trapezoidal fuzzy number**
ÖZCAN İ., AYTAR S.
The 5th International Fuzzy Systems Symposium, Ankara, Turkey, 14 - 15 October 2017, pp.75
- III. **Some rough convergence criteria for the sequences of intervals of fuzzy numbers**
AYTAR S.
International Conference on Recent Advances in Pure and Applied Mathematics 2017, Aydın, Turkey, 11 - 15 May 2017, pp.49
- IV. **On the convergence for a sequence of intervals of fuzzy numbers**
AYTAR S.
2nd International conference on analysis and its applications, 12 - 15 July 2016
- V. **Rough semicontinuous set valued maps**
GECİT AKÇAY İ., AYTAR S.
ICRAPAM 2016, Muğla, Turkey, 19 - 23 May 2016
- VI. **A new type of convergence for a sequence of rays**
ölmez ö., AYTAR S.
ICRAPAM 2016, Muğla, Turkey, 19 - 23 May 2016
- VII. **Rough convergence of a sequence of intervals of fuzzy numbers**
AYTAR S.
International Conference on Intuitionistic Theory Fuzzy Sets and Applications (ICIFSTA'2016), Beni Mellal, Morocco, 20 - 22 April 2016
- VIII. **On the convergence of sequences of interval numbers**
Ölmez Ö., AYTAR S.
The 4th Abu Dhabi University Annual International Conference: Mathematical Science & its Applications, Abu Dhabi, United Arab Emirates, 23 - 26 December 2015, pp.53
- IX. **Some Boundedness Criteria for Rough Wijsman Convergence**
Ölmez Ö., AYTAR S.
International Conference on Advancements in Mathematical Sciences, Antalya, Turkey, 5 - 07 November 2015, pp.63
- X. **The Relation Between Rough Wijsman Convergence and Asymptotic Cones**
ölmez ö., AYTAR S.
2nd International Conference on Recent Advances in Pure and Applied Mathematics, İstanbul, Turkey, 3 - 06 June 2015, pp.278
- XI. **Some results via de la Vallée-Poussin mean in probabilistic 2-normed spaces, Recent Advances in**

Mathematics, Statistics and Economics

YAMANCI U., GÜRDAL M., AYTAR S.

The 2014 International Conference on Pure Mathematics-Applied Mathematics, 1 September - 24 August 2014

- XII. **On Statistical Limit Points in a Fuzzy Valued Metric Space, Recent Advances in Mathematics, Statistics and Economics**
AYTAR S., YAMANCI U., GÜRDAL M.
The 2014 International Conference on Pure Mathematics-Applied Mathematics, 3 September - 01 August 2014
- XIII. **Statistical Convergence and Berezin Symbols for Double Sequences**
YAMANCI U., GÜRDAL M., AYTAR S.
3rd International Eurasian Conference On Mathematical Sciences and Applications, Vienna, Austria, 25 - 28 August 2014, pp.34
- XIV. **On Statistical Limit Points in a Fuzzy Valued Metric Space**
AYTAR S., YAMANCI U., GÜRDAL M.
The 2014 International Conference on Pure Mathematics-Applied Mathematics, 15 - 17 March 2014
- XV. **Some Results via De La Vallée-Poussin Mean In probabilistic 2-Normed Spaces**
YAMANCI U., GÜRDAL M., AYTAR S.
2014 International Conference on Pure Mathematics - Applied Mathematics (PM -AM '14), Venice, Italy, 15 - 17 March 2014, pp.34-39
- XVI. **Rough Statistically Convergent Double Sequences**
Aytar S.
International Conference of Numerical Analysis and Applied Mathematics (ICNAAM), Kos, Greece, 19 - 25 September 2012, vol.1479, pp.983-985
- XVII. **A-statistically pre-Cauchy sequences, Tools for math. mod**
GÜRDAL M., AYTAR S.
The fourth Int. conference, Russia, 23 - 28 June 2003
- XVIII. **A-statistically pre-Cauchy sequences**
GÜRDAL M., AYTAR S., PEHLİVAN S.
Mathematical Research: Tools for Mathematical Modelling: the fourth Int. conference, Saint-Petesburg, Russia, 23 - 28 June 2003, vol.9, pp.234-241
- XIX. **Statistical boundedness for sequences of fuzzy numbers**
AYTAR S., GÜRDAL M., PEHLİVAN S.
Tools for math. mod., The fourth Int. conference, Saint-Petersburg, Russia, 23 - 28 June 2003, vol.9, pp.36-43
- XX. **A Statistical limit points of real number sequence**
GÜRDAL M., AYTAR S., GÜNCAN A. N.
XV. Ulusal Matematik Sempozyumu, Turkey, 4 - 07 September 2002
- XXI. **Sonlu boyutlu uzaylarda istatistiksel yakınsaklık üzerine**
GÜNCAN A. N. , GÜRDAL M., AYTAR S.
XV. Ulusal Matematik Sempozyumu, Turkey, 4 - 07 September 2002
- XXII. **Rn de istatistiksel yakınsaklık üzerine**
GÜNCAN A. N. , AYTAR S., GÜRDAL M.
XIV. Ulusal Matematik Sempozyumu, Turkey, 18 - 21 September 2001

Supported Projects

PEHLİVAN S., ŞENÇİMEN C., AYTAR S., ARMAĞAN H., Project Supported by Higher Education Institutions, Aralık Değerli Bulanık Kümeler VE Optimizasyon Yöntemleri, 2006 - 2008

Citations

Total Citations (WOS):216

h-index (WOS):7

Non Academic Experience

Other Public Institution, Suleyman Demirel University