

HAŐMET GÜRÇAY



CURRICULUM VITAE

CONTACT INFORMATION

SURNAME	GÜRÇAY
NAME	HAŐMET
ADDRESS	Hacettepe Üniversitesi, Fen Fakóltesi, Matematik Bölümü, 06532, Beytepe, Ankara, TR
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PERSONAL INFORMATION

DATE OF BIRTH	11.10.1961
PLACE OF BIRTH	Ankara
CITIZENSHIP	Turkish Republic
SEX	male
MARITAL STATUS	married
CHILDREN	2 children

EDUCATION

1967-1972	Kavaklıdere Primary School, Ankara
1972-1975	Kocatepe Mimar Kemal Secondary School, Ankara
1975-1978	Kocatepe Mimar Kemal High School, Ankara
1979-1984	Ankara University, Natural Sciences Faculty, Department of Mathematics, Ankara
1984-1986	Hacettepe University, Natural Sciences Institut, Mathematics, M.S.
1987-1991	Hacettepe Üniversitesi, Natural Sciences Institut, Mathematics, PhD.

WORKING EXPERIENCE

1984-1992	Hacettepe University, Faculty of Education, Department of Mathematics Education as a Research Assistant
1992-1997	Hacettepe University, Faculty of Education, Department of Mathematics Education as a Assit. Prof. Dr.
01.10.97-01.04.02	Hacettepe University, Natural Science Faculty, Department of Mathematics as a Assist. Prof. Dr.
01.10.97-31.09.00	Hacettepe University, Natural Science Faculty, Department of Mathematics as a Vice President
SINCE APRIL 2002	Hacettepe University, Natural Science Faculty, Department of Mathematics as Assoc. Prof. Dr.
01.07.01-31.12.2003	Vize President of the Computer Center of Hacettepe University
SINCE 01.05.2002	President of Applied Mathematics of Department of Mathematics at Hacettepe University
SINCE OCTOBER 2007	Hacettepe University, Natural Science Faculty, Department of Mathematics as a Vice President

RESEARCH EXPERIENCE

JUNE 1986	Master Thesis on “Fourier Transformationen on Distrubitions Spaces”
JUNE 1991	Doctoral Thesis on “Disjointness Preserving Operator Semigroups on $C(X, C^n)$ ”

RESEARCH GRANDS

1988-1991	DAAD Sandwich Schoolership at Instite of Mathematics of University Tübingen (Germany)
01.03.96-01.07.96	DAAD Post Doctoral Schoolership at Instite of Mathematics of University Tübingen (Germany)
02.01.97-15.03.97	DFG Post Doctoral Schoolership at Faculty of Informatic, WSI/GRIS Institute, University of Tübingen (Germany)
01.06.00-31.07.00	DAAD Post Doctoral Schoolership at Faculty of Informatic, WSI/GRIS Institute, University of Tübingen (Germany)
01.07.04-31.08.04	DAAD Post Doctoral Schoolership at Faculty of Informatic, WSI/GRIS Institute, University of Tübingen (Germany)

PUBLICATIONS

- 1 **H. Gürçay**; *Introducing ISO-TILER 3D: A 3D Tiling Visualizer*; Accepted
- 2 E. Özçağ, I. Ege, **H. Gürçay**, B. Jolevska-Tuneska; *On partial derivatives of*

the incomplete beta function; Applied Mathematics Letters, Volume: 21 Issue: 7 (2008) 675-681

3 E. Özçağ, I. Ege, **H. Gürçay**, B. Jolevska Tuneska; *A result on the Non-commutative Neutrix Product of Distributions*; Abstract and Applied Analysis, Volume 2007, Article ID 81907, 10 pp.

4 E. Özçağ, I. Ege, **H. Gürçay**; *An Extension of the Incomplete Beta Function for Negative Integers*; J. Math. Anal. Appl. 338 (2008) pp. 984-992

5 E. Özçağ, I. Ege, **H. Gürçay** and B. Jolevska-Tuneska; *Some remarks on the incomplete gamma function*, in: Kenan Taş et al. (Eds.) *Mathematical Models in Engineering*; Springer, Dordrecht 2007, pp. 97-108

6 E. Özçağ, İ. Ege, **H. Gürçay**; *On Powers Of The Heaviside Function For Negative Integers*, Journal Of Mathematical Analysis and Applications 326 (2007) 101-107

7 H. Sever, **H. Gürçay**, S. Ak; *Konumsal Erişim Yöntemleri*, Harita Dergisi; Sayı 138, 84-99 (2007)

8 E. Özçağ, B. Fisher, **H. Gürçay**; *Some Results on the Non-Commutative Neutrix Product of Distributions*; Integral Transforms and Special Functions, 11 (1)(2001),61-72.

9 B. Eberhardt, **H. Gürçay**, F. Hanisch, T.H.O Licht, B. Nill; *Books and Devices from the Old - their Renaissance in Computer Graphics*; Eurographics Conference Proceeding 99, Volume 18 (1999), Number 3

10 **Haşmet Gürçay**; *Groups of Positive Composition Operators on $C_0(X, C^n)$* , Indian J. Pure Appl. Math. 28 (9) : 1295-1302, September (1997)

11 **H. Gürçay**, D. Çoker, H. Es; *On Fuzzy Continuity in Intuitionistic Fuzzy Topological Spaces*, The Journal of Fuzzy Mathematics Vol. 5, No. 2 (1997)

12 **Haşmet Gürçay**, *On the Spektrum of Disjointness Preserving Operator Semigroups on $C(X, C^n)$* , Mathematica Balkanica, New Series Vol. 9, 1 (1995)

13 **Haşmet Gürçay**, *Disjointness Preserving Operator Semigroups on $C(X, C^n)$* , Mathematica Balkanica, New Series Vol. 7, 45 (1993)

BOOKS

1 **H. Gürçay**, D. Çoker, M. Diker, E. Coşkun, O. Özer; *İleri Analiz I*; 1. Baskı: Anadolu Üniversitesi (1994), 426 Sayfa, ISBN 975-492-535-6. 2. Baskı: Bilim Yayınevi (1996), 388 Sayfa, ISBN 975-556-024-6

2 **Haşmet Gürçay**, *Sayısal Çözümleme*, Literatur Yayıncılık (1995), 208 Sayfa, 2. Baskı: Nümerik Analiz, Bilim Yayıncılık (1999) 213 Sayfa.

PRESANTATIONS

1 M. Hacıömeroğlu, H. Sever, **H. Gürçay**; *Coğrafi Bilgi Sistemlerinde Geometri Kütüphanesinin Geliştirilmesi*; Ulusal Uzaktan Algılama ve Coğrafi Bilgi

Sistemleri Kongresi, 2008 - Kayseri

2 M.S. Ayhan, H. Sever, **H. Gürçay**, S. Ak; *Konumsal Dizinleme Yöntemlerinin Karşılaştırılması*; Ulusal Coğrafi Bilgi Sistemleri Kongresi, 2007 - Trabzon

3 F. Turan, **H. Gürçay**, H. Sever; *Web Servisleri Tabanlı Coğrafi Bilgi Sistemleri*; Ulusal Coğrafi Bilgi Sistemleri Kongresi, 2007 - Trabzon

4 **Haşmet Gürçay**, Mehmet Giritli; *Bir Uzaktan Eğitim Sunucusu*; Akademik Bilişim 2000 – Isparta

5 E. Özçağ, I. Ege, **H. Gürçay** and B. Jolevska-Tuneska; International Symposium, *Mathematical Methods in Engineering*, April 27-29 (2006), Ankara, Turkey

PROFESSIONAL MEMBERSHIPS

Anadolu DAAD  liler Derneđi

DAAD  liler Derneđi

ACM – Association for Computing Machinery

SIGGRAPH – Computer Graphics and Interactive Techniques

TBD – T rk Bilişim Derneđi

PROJECTS

1 **Researcher:** *Distribisyonların Neutrix  arpımları, Neutrix Konvolusyonları ve Uygulamaları*, Joint Project with Republic of Macedonia (2006) Supported from T B TAK, Project Number: TBAG-U/13(105T057)

2 **Project Manager:** *Matematik B l m  Bilgisayar Laboratuvarının Geliştirilmesi ve Geometrik Modelleme Laboratuvarının Kurulması*, (2005) Supported from Hacettepe University, Project Number: 05A601001

3 **Researcher:** *Enliya  elebi Coğrafi Bilgi Katmanı*, Supported from T B TAK, (2005) Project Number: 105K040

4 **Consultant:** *NETCAD Gis  ekirdeđi*, Ulusal Cad. ve Gis.  z. A. Ő. (2005)

5 **Project Manager:** *JEFES – Ein Multimediale Lehr- und Lernsystem Bir  okluortam Eđitim ve  đretim Sistemi*; Supported from DAAD; Project Number: 309.104410.046

6 **Project Manager:** *Visualizations of Topology of Vector Fields*; Supported from Hacettepe University; Project Number: 9802601101

LECTURES BEING TAUGHT

Analysis,

Advance Analysis,

Lineare Algebra,

Differential Equations,
Numerical Analysis,
Discrete Mathematics,
Computer Algebra,
Functional Analysis,
C Programming,
C++ Programming,
Java Programming,
Web Programming,
Data Structures,
Computer Graphics,
Computational Geometry
Algorithms

SUPERVISED THESISSES

- 1 Tayyar Genel; *Ortaöğretimde İkinci Dereceden Fonksiyonların Grafiği Konusunun Öğretimde Bilgisayar Desteginin Rolü*, Hacettepe Üniversitesi, Fen Bilimleri Enstitüsü (1988)
- 2 Kenan Ađtas; *Çizge Kuramının Ağ Üzerinden Sunumu ve Uygulamaları*, Hacettepe University, Natural Sciences Institut, Mathematics (2003)
- 3 Salim Erce Bulur; *Döşemelerin ve Motiflerin Matematiksel Yapısı ve Bilgisayarda Gösterimi*, Hacettepe University, Natural Sciences Institut, Mathematics (2005)
- 4 Lokman Kureş, *İki Boyutlu Üçgenleştirme Algoritmaları*, Hacettepe University, Natural Sciences Institut, Mathematics (2006)

RESEARCH PAPERS IN PROCESS

- 1 *A performace comparison among R-tree, STR-tree, MX-CIF Quadtree and Gist R-tree by using Gaussian, Uniform and Bezier Curve guided distributions*; International Journal of Geographical Information Science