

## Prof. Dr. AZER HANMEHMETLİ

### Kişisel Bilgiler

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### Eğitim Bilgileri

Doktora, Azerbaycan Bilimler Akademisi, Matematik Ve Mekanik Enstitüsü, Doğrusal Olmayan Analiz, Azerbaycan 1993 - 1996

Lisans, Bakü Devlet Üniversitesi, Mekanik Ve Matematik, Matematik, Azerbaycan 1986 - 1993

### Yaptığı Tezler

Doktora, Hiperbolik denklemlerin yerel olmayan çekicilerinin incelenmesi, Azerbaycan Bilimler Akademisi, 1996

### Araştırma Alanları

Matematik, Diferansiyel denklemler, Gerçel fonksiyonlar, Temel Bilimler

### Akademik Unvanlar / Görevler

Prof. Dr., Hacettepe Üniversitesi, Fen Fakültesi, Matematik Bölümü, 2013 - Devam Ediyor

### Yönetilen Tezler

HANMEHMETLİ A., Evrimsel operatörler ailesinin çekicileri, Yüksek Lisans, T.URHAN(Öğrenci), 2016

HANMEHMETLİ A., Yarı doğrusal levha denkleminin uzun zaman dinamiği, Doktora, S.YAYLA(Öğrenci), 2016

### SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. The Cahn-Hilliard/Allen-Cahn equation with inertial and proliferation terms**  
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Journal of Mathematical Analysis and Applications, cilt.530, sa.2, 2024 (SCI-Expanded)
- II. Attractors for some models of the Cahn-Hilliard equation with the inertial term**  
Khanmamedov A.  
Nonlinearity, cilt.36, sa.2, ss.1120-1142, 2023 (SCI-Expanded)
- III. On the two dimensional fast phase transition equation: well-posedness and long-time dynamics**  
Khanmamedov A.  
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- IV. On the 2D Cahn-Hilliard/Allen-Cahn equation with the inertial term**

- Khanmamedov A.  
JOURNAL OF MATHEMATICAL ANALYSIS AND APPLICATIONS, cilt.494, sa.2, 2021 (SCI-Expanded)
- V. **Long-time dynamics of the Swift-Hohenberg equations**  
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- VI. **LONG-TIME DYNAMICS OF THE STRONGLY DAMPED SEMILINEAR PLATE EQUATION IN R-N**  
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- VII. **Global attractors for the 2D hyperbolic Cahn-Hilliard equations**  
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- VIII. **Attractors for the strongly damped wave equation with p-Laplacian**  
Khanmamedov A., ŞEN Z.  
MATHEMATICAL METHODS IN THE APPLIED SCIENCES, cilt.40, sa.12, ss.4436-4447, 2017 (SCI-Expanded)
- IX. **A unique continuation result for the plate equation and an application**  
ARAT Z., Khanmamedov A., SIMSEK S.  
MATHEMATICAL METHODS IN THE APPLIED SCIENCES, cilt.39, sa.4, ss.744-761, 2016 (SCI-Expanded)
- X. **EXISTENCE OF THE GLOBAL ATTRACTOR FOR THE PLATE EQUATION WITH NONLOCAL NONLINEARITY IN R-n**  
Khanmamedov A., SIMSEK S.  
DISCRETE AND CONTINUOUS DYNAMICAL SYSTEMS-SERIES B, cilt.21, sa.1, ss.151-172, 2016 (SCI-Expanded)
- XI. **Exponential decay of solutions for the plate equation with localized damping**  
SIMSEK S., Khanmamedov A.  
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- XII. **Strongly damped wave equation with exponential nonlinearities**  
Khanmamedov A.  
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- XIII. **Global attractors for the plate equation with nonlocal nonlinearity in unbounded domains**  
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- XIV. **LONG-TIME DYNAMICS OF THE PARABOLIC p-LAPLACIAN EQUATION**  
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- XV. **Global attractor for the one dimensional wave equation with displacement dependent damping**  
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- XVI. **GLOBAL ATTRACTORS FOR STRONGLY DAMPED WAVE EQUATIONS WITH DISPLACEMENT DEPENDENT DAMPING AND NONLINEAR SOURCE TERM OF CRITICAL EXPONENT**  
Khanmamedov A.  
DISCRETE AND CONTINUOUS DYNAMICAL SYSTEMS, cilt.31, sa.1, ss.119-138, 2011 (SCI-Expanded)
- XVII. **A global attractor for the plate equation with displacement-dependent damping**  
Khanmamedov A.  
NONLINEAR ANALYSIS-THEORY METHODS & APPLICATIONS, cilt.74, sa.5, ss.1607-1615, 2011 (SCI-Expanded)
- XVIII. **A strong global attractor for the 3D wave equation with displacement dependent damping**  
Khanmamedov A.  
APPLIED MATHEMATICS LETTERS, cilt.23, sa.8, ss.928-934, 2010 (SCI-Expanded)
- XIX. **Remark on the regularity of the global attractor for the wave equation with nonlinear damping**  
Khanmamedov A.  
NONLINEAR ANALYSIS-THEORY METHODS & APPLICATIONS, cilt.72, ss.1993-1999, 2010 (SCI-Expanded)
- XX. **Global attractors for 2-D wave equations with displacement-dependent damping**  
Khanmamedov A.

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- XXI. **Global attractors for one dimensional p-Laplacian equation**  
Khanmamedov A.  
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- XXII. **LONG-TIME BEHAVIOUR OF DOUBLY NONLINEAR PARABOLIC EQUATIONS**  
Khanmamedov A.  
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- XXIII. **On a global attractor for the strong solutions of the 2-D wave equation with nonlinear damping**  
Khanmamedov A.  
APPLICABLE ANALYSIS, cilt.88, sa.9, ss.1283-1301, 2009 (SCI-Expanded)
- XXIV. **On the existence of a global attractor for the wave equation with nonlinear strong damping perturbed by nonmonotone term**  
Khanmamedov A.  
NONLINEAR ANALYSIS-THEORY METHODS & APPLICATIONS, cilt.69, sa.10, ss.3372-3385, 2008 (SCI-Expanded)
- XXV. **Long-time behaviour of wave equations with nonlinear interior damping**  
Khanmamedov A.  
DISCRETE AND CONTINUOUS DYNAMICAL SYSTEMS, cilt.21, sa.4, ss.1185-1198, 2008 (SCI-Expanded)
- XXVI. **Finite dimensionality of the global attractors for von Karman equations with nonlinear interior dissipation**  
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- XXVII. **Global attractors for wave equations with nonlinear interior damping and critical exponents**  
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- XXVIII. **Global attractors for the plate equation with a localized damping and a critical exponent in an unbounded domain**  
Khanmamedov A.  
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- XXIX. **Global attractors for von Karman equations with nonlinear interior dissipation**  
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- XXX. **Existence of a global attractor for the parabolic equation with nonlinear Laplacian principal part in an unbounded domain**  
Khanmamedov A.  
JOURNAL OF MATHEMATICAL ANALYSIS AND APPLICATIONS, cilt.316, sa.2, ss.601-615, 2006 (SCI-Expanded)
- XXXI. **Existence of a global attractor for the plate equation with a critical exponent in an unbounded domain**  
Khanmamedov A.  
APPLIED MATHEMATICS LETTERS, cilt.18, sa.7, ss.827-832, 2005 (SCI-Expanded)

### **Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar**

- I. **Long Time BEHAVIOUR of the Plate Equation with Nonlocal Nonlinearity**  
Yayla S., ARAT Z., HANMEHMETLİ A.  
The 11th AIMS Conference on Dynamic Systems, Differential Equations and Applications, Amerika Birleşik Devletleri, 1 - 05 Temmuz 2016

## **Desteklenen Projeler**

HANMEHMETLİ A., Yükseköğretim Kurumları Destekli Proje, Yerel dissipatif terimlere sahip yarı doğrusal levha denkleminin yerel olmayan çekicileri, 2017 - 2018

## **Metrikler**

Yayın: 32

Atıf (WoS): 356

Atıf (Scopus): 321

H-İndeks (WoS): 10

H-İndeks (Scopus): 10