

# Varuzhan Sergei Atabekyan

## Faculty of Mathematics and Mechanics

Chair of Algebra and Geometry

Head of the chair, professor

23-68  
(060) 71-03-68

✉ avarujan@ysu.am



## Education

---

<b>Institution</b>	Lomonosov Moscow State University
<b>Faculty</b>	Mechanics and Mathematics
<b>Date</b>	1983 - 1986
<b>Degree name</b>	PhD student

---

<b>Institution</b>	Yerevan State University
<b>Faculty</b>	Mechanics and Mathematics
<b>Date</b>	1978 - 1983
<b>Degree name</b>	Qualified specialist

---

## Scientific Rank/degree

---

<b>Institution</b>	Yerevan State University
<b>Date</b>	2012
<b>Degree name</b>	Professor
<b>Specialty</b>	Physico-mathematical sciences

---

<b>Institution</b>	Russian Academy of Sciences (RAS), Steklov Mathematical Institute, Moscow
<b>Date</b>	2011
<b>Degree name</b>	Doctor
<b>Specialty</b>	Physico-mathematical sciences
<b>Research Topic</b>	On subgroups and automorphisms of free Burnside groups

---

<b>Institution</b>	Lomonosov Moscow State University
<b>Date</b>	1987
<b>Degree name</b>	Candidate
<b>Specialty</b>	Physico-mathematical sciences
<b>Scientific Supervisor</b>	A.Yu.Ol'shanskii
<b>Research Topic</b>	Diagram's Method and Groups with Identities

---

## Work experience

---

<b>Institution</b>	Yerevan State University
<b>Period of time</b>	2013 till now

**Rank/degree** Head of Chair, Algebra and Geometry

---

**Institution** Yerevan State University

**Period of time** 2012 till now

**Rank/degree** Professor

---

**Institution** Yerevan State University

**Period of time** 1990 - 2011

**Rank/degree** Assistant professor

---

**Institution** Yerevan State University

**Period of time** 1987 - 1989

**Rank/degree** Assistant

---

## Membership

---

**Institution** Member of the Editorial Board of the “Journal of Contemporary Mathematical Analysis”

**Period of time** 2011 till now

---

**Institution** Editor-in-Chief of the journal “Proceedings of the Yerevan State University, Physical and Mathematical Sciences”

**Period of time** 2009 till now

---

**Institution** American Mathematical Society

**Period of time** 2009 till now

---

**Institution** Moscow Mathematical Society

**Period of time** 1996 till now

---

## State awards and honorary titles

---

2010 Presidential Award, Republic of Armenia

2019 Golden medal of Yerevan State University for significant contribution to the development of university education

2020 TEACHING EXCELLENCE AWARD AT YEREVAN STATE UNIVERSITY

2016 Honorary Professor at Russian-Armenian State University

1986 The winner of young scientists' contest in honor of 275-th anniversary of M. Lomonosov, Moscow State University

---

## Publications

---

Article

**On Benign Subgroups Constructed by Higman's Sequence Building Operation**

V.H. Mikaelian, V.S. Atabekyan

Journal of Contemporary Mathematical Analysis (Armenian Academy of Sciences) 2024 1-12

---

Article

**On the Total Dominating Set of 3/2-Generated Groups**

V.S. Atabekyan, H.T. Aslanyan

Armenian Journal of Mathematics 2024 1-7

---

Article

**Probabilistic Identities in n-Torsion Groups**

V.S. Atabekyan, A.A. Bayramyan

Journal of Contemporary Mathematical Analysis (Armenian Academy of Sciences) 2024 455-459

---

Article

**Կյանք՝ նվիրված մաթեմատիկային**

Վարդան Աթաբեկյան

Գիտության աշխարհում 2023 30-35

---

Article

**Central Extensions and Groups with Quotients Periodic Infinite**

V.S. Atabekyan

Advances in Group Theory and Applications 2023 67-79

---

Article

**Central Extensions of n-Torsion Groups**

V.S. Atabekyan, G.G. Gevorgyan

Journal of Contemporary Mathematical Analysis (Armenian Academy of Sciences) 2022 26-34

---

Article

**POWERS OF SUBSETS IN FREE PERIODIC GROUPS**

V.S. Atabekyan, H.T. Aslanyan, S.T. Aslanyan

Proceedings of the YSU A. Physical and Mathematical Sciences 2022 43-48

---

Article

**On the Product of Subsets in Periodic Groups**

V.S. Atabekyan, V.H. Mikaelian

Journal of Contemporary Mathematical Analysis (Armenian Academy of Sciences) 2022 395 - 398

---

Article

**Вопросы алгебры и математической логики. Научное наследие С. И. Адяна**

В. С. Атабекян, Л. Д. Беклемишев, А. А. Разборов, И. Г. Лысёнок, В. С. Губа, А. Л. Семенов

Успехи математических наук (Russian Mathematical Surveys) 2021 3-30

---

Article

**Сергей Иванович Адян**

В. С. Атабекян, В. М. Бухштабер, С. П. Новиков, Д. В. Трещев, Л. Д. Беклемишев, С. С. Гончаров,

Ю. Л. Ершов, В. В. Козлов, Ю. С. Осипов, А. А. Разборов, В. А. Садовничий, А. Л. Семенов,

А. Л. Таламбуца, Л. Н. Шеврин, В. В. Подольский, И. Г. Лысёнок, М. Р. Пентус, В. С. Губа  
Успехи математических наук (Russian Mathematical Surveys) 2021 191-195

---

*Article*

**Александр Юрьевич Ольшанский (к 75-летию)**

В.С.Атабекян, К. К. Андреев, Г. Н. Аржанцева, В. А. Артамонов, И. Н. Балаба, Н. В. Безверхний,  
А. А. Вдовина, В. С. Губа, А. Э. Гутерман, Г. С. Дерябина, О. В. Маркова, В. Г. Микаелян,  
М. В. Милентьева, А. Э. Минасян, К. В. Михайловский, А. В. Михалёв, А. Е. Панкратьев,  
Ю. Г. Прохоров, Д. А. Тимашёв, В. Н. Чубариков, И. А. Чубаров, Е. Е. Ширшова, and 8 other authors  
Чебышевский сборник 2021 347-365

---

*Article*

**О нормальных автоморфизмах свободных групп бесконечно базлируемых многообразий**

V.S.Atabekyan, S.I.Adian  
Математические заметки (MATHEMATICAL NOTES) 2020 163-170

---

*Article*

**THE SET OF 2-GENERATED  $C *$ -SIMPLE RELATIVELY FREE GROUPS HAS THE CARDINALITY OF THE CONTINUUM**

V.S.Atabekyan  
Proceedings of the YSU A. Physical and Mathematical Sciences 2020 81-86

---

*Article*

**n-torsion groups**

V.S.Atabekyan, S.I.Adian  
Journal of Contemporary Mathematical Analysis (Armenian Academy of Sciences) 2019 319-327

---

*Article*

**ON FIXED POINTS OF AUTOMORPHISMS**

V. S. ATABEKYAN, H.T.ASLANYAN  
Proceedings of the YSU A. Physical and Mathematical Sciences 2019 147-149

---

*Article*

**The automorphisms of endomorphism semigroups of relatively free groups**

V.S.Atabekyan, H. T. Aslanyan  
International Journal of Algebra and Computation 2018 207-215  
<https://www.worldscientific.com/loi/ijac>

---

*Article*

**Central extensions of free periodic groups**

V.S.Atabekyan, S. I. Adian  
SBORNIK MATHEMATICS 2018 1677-1689

---

*Article*

**The unique trace property of n-periodic product of groups**

V. S. Atabekyan, A. L. Gevorgyan, Sh. A. Stepanyan  
Journal of Contemporary Mathematical Analysis (Armenian Academy of Sciences) 2017 161-165  
<http://www.allertonpress.com/journals/sam.htm>

---

Article

**Periodic products of groups**

V.S.Atabekyan, S.I.Adian

Journal of Contemporary Mathematical Analysis (Armenian Academy of Sciences) 2017 111-117

<http://www.allertonpress.com/journals/sam.htm>

---

Article

**On free groups in the infinitely based varieties of S. I. Adian**

V.S.Atabekyan, S. I. Adian

Известия РАН. Серия математическая (IZVESTIYA MATHEMATICS) 2017 889-900

<http://iopscience.iop.org/article/10.1070/IM8631/meta>

---

Article

**Normal automorphisms of free Burnside groups of period 3**

V.S.Atabekyan, H. T. Aslanyan, A. E. Grigoryan

Armenian Journal of Mathematics 2017 60-67

<http://www.armjmath.sci.am/index.php/ajm/about>

---

Article

**Analogues of Nielsen's and Magnus's theorems for free Burnside groups of period 3**

V. S. ATABEKYAN, H. T. ASLANYAN, H. A. GRIGORYAN, A. E. GRIGORYAN

Proceedings of the YSU A. Physical and Mathematical Sciences 2017 217-223

<http://ysu.am/science/en/scientific-magazine>

---

Article

**C\*-Simplicity of n-Periodic Products**

V.S.Atabekyan, S.I.Adian

MATHEMATICAL NOTES 2016 3-7

<http://link.springer.com/journal/11006>

---

Article

**The automorphisms of endomorphism semigroups of free Burnside groups**

V.S.Atabekyan

International Journal of Algebra and Computation 2015 669-674

<http://www.worldscientific.com/worldscinet/ijac>

---

Article

**Automorphism groups and endomorphism semigroups of groups  $B(m,n)$**

V.S.Atabekyan

Algebra and Logic 2015 85-91

<http://math.nsc.ru/~alglog/alglogf.html>

---

Article

**Characteristic properties and uniform nonamenability of n-periodic products of groups**

V.S.Atabekyan, S.I.Adian

IZVESTIYA MATHEMATICS 2015 1097-1110

<http://iopscience.iop.org/journal/1064-5632>

---

Article

**Splitting Automorphisms of Order  $p^k$  of Free Burnside Groups are Inner**

V.S.Atabekyan  
MATHEMATICAL NOTES 2014 586-589  
<http://link.springer.com/journal/11006>

---

*Article*

**The Hopfian property of n-periodic products of groups**

V.S.Atabekyan, S.I.Adian

MATHEMATICAL NOTES 2014 443-449

<http://link.springer.com/journal/11006>

---

*Article*

**The groups of automorphisms are complete for free burnside groups of odd exponents  $n \geq 1003$**

V.S.Atabekyan

International Journal of Algebra and Computation 2013 1485-1496

<http://www.worldscientific.com/worldscinet/ijac>

---

*Article*

**The Automorphism Tower Problem for Free Periodic Groups**

V.S.Atabekyan

Proceedings of the YSU A. Physical and Mathematical Sciences 2013 3-7

<http://www.ysu.am/science/en/1465212957>

---

*Article*

**Splitting automorphisms of free Burnside groups**

V.S.Atabekyan

SBORNIK MATHEMATICS 2013 182-189

<http://iopscience.iop.org/journal/1064-5616>

---

*Article*

**On CEP-Subgroups of n-Periodic Products**

V.S.Atabekyan

Journal of Contemporary Mathematical Analysis (Armenian Academy of Sciences) 2011 237-242

<http://www.allertonpress.com/journals/sam.htm>

---

*Article*

**On normal subgroups in the periodic products of S.I. Adian**

V.S.Atabekyan

Proceedings of the Steklov Institute of Mathematics 2011 9-24

<http://link.springer.com/journal/11501>

---

*Article*

**Normal automorphisms of free Burnside groups**

V.S.Atabekyan

IZVESTIYA MATHEMATICS 2011 223-237

<http://iopscience.iop.org/journal/1064-5632>

---

*Article*

**On Outer Normal Automorphisms of Periodic Products of Groups**

V.S.Atabekyan, A.L.Gevorgyan

*Article*

**The splitting automorphisms of free Burnside groups**

V.S.Atabekyan

Proceedings of the YSU A. Physical and Mathematical Sciences 2011 62-64

<http://www.ysu.am/science/en/1465212957>

---

*Conference*

**О группах с периодическими определяющими соотношениями**

Атабекян В. С.

---

*Conference*

**Об автоморфизмах полугруппы эндоморфизмов некоторых относительно свободных групп**

Атабекян В. С.

---

*Conference*

**Периодические произведения групп**

Атабекян В. С.

---

*Conference*

**Об относительно свободных группах бесконечно базлируемых многообразий групп С. И. Адяна**

В. С. Атабекян, С. И. Адян

---

*Conference*

**Центральные расширения свободных периодических групп**

В. С. Атабекян, С. И. Адян

---

*Conference*

**О ГИПЕРБОЛИЧНОСТИ  $n$ -КРУЧЕНЫХ ГРУПП**

Atabekyan V.S.

---

*Conference*

**О периодических произведениях и многообразиях С.И.Адяна**

Atabekyan V.S.

---

*Conference*

**Группы с  $n$ -кручением, их расширения и эндоморфизмы**

В. С. Атабекян

---

*Conference*

**Powers of sets in periodic groups**

V. Atabekyan

---

*Ematerial*

**Բարձրագույն հանրահաշիվ 1**

Վ.Ս.Աթաբեկյան

---

*Ematerial*

**Բարձրագույն հանրահաշիվ - 2**

Վ.Ս.Աթաբեկյան

---

*Ematerial*

**Բարձրագույն հանրահաշիվ-3**

Վարուժան Աթաբեկյան

---

*Ematerial*

**Բարձրագույն հանրահաշիվ-4**

Վարուժան Աթաբեկյան

---

*Conference*

**On the spread of infinite groups**

V. Atabekyan

---

*Conference*

**HIGMAN'S SEQUENCE-BUILDING OPERATIONS AND EMBEDDING OF RECURSIVE GROUPS**

V.H. MIKAELIAN, V.S. ATABEKYAN

---