

# Vahagn H. Mikaelian

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ℝ<sup>6</sup>   

## Faculty of Informatics and Applied Mathematics

Chair of Discrete Mathematics and Theoretical Informatics

Professor

## Language skills

Հայերեն English Русский Deutsch

## 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*

### **The Higman operations and embeddings of recursive groups**

Vahagn H. Mikaelian

Journal of Group Theory 2023 1067-1093

*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*

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

В.С. Атабемян, 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*

### **Embeddings Determined by Universal Words in the Rank 2 Free Group**

V. H. Mikaelian

Siberian Mathematical Journal 2021 123-130

*Article*

### **Subvariety structures in certain product varieties of groups**

Vahagn H. Mikaelian

Journal of Group Theory 2018 865-884

*Article*

### **О классификации многообразий, порожденных сплетениями групп**

В. Г. Микаелян

Известия РАН. Серия математическая (IZVESTIYA MATHEMATICS) 2018 153-166

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*Article*

**The Criterion of Shmel'kin and Varieties Generated by Wreath Products of Finite Groups**

V. H. Mikaelian

Algebra and Logic 2017 108-115

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

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*Article*

**On degrees of modular common divisors and the Big prime gcd algorithm**

Vahagn H. Mikaelian

International Journal of Mathematics and Mathematical Sciences 2016 1-13

<https://www.hindawi.com/journals/ijmms/2016/3262450/>

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*Article*

**On some residual properties of the verbal embeddings of groups,**

Vahagn H. Mikaelian

Advances in Group Theory and Applications 2016 3-19

<http://www.advgrouptheory.com/journal/index.php#vol1>

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*Article*

**Varieties Generated by Wreath Products of Abelian and Nilpotent Groups**

Vahagn H. Mikaelian

Algebra and Logic 2015 70-73

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

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*Book*

**Ալգորիթմական հանրահաշիվ, կոմուտատիվ օղակներ եւ դաշտեր**

Վահագն Հ. Միքայելյան

2015 374

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*Article*

**A Geometrical Interpretation of Infinite Wreath Powers**

Vahagn H. Mikaelian

Algebra and Discrete Mathematics 2014 250-267

<http://www.mathnet.ru/php/archive.phtml?wshow=paper&jrnid=adm&paperid=494>

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*Article*

**On abelian subgroups of finitely generated metabelian groups**

Vahagn H. Mikaelian, Ol'shanskii, Alexander, Yu.

Journal of Group Theory 2013 695-705

<https://www.degruyter.com/view/j/jgt.2013.16.issue-5/jgt-2013-0011/jgt-2013-001...>

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*Conference*

**Product varieties of groups and varieties generated by wreath products**

V.H. Mikaelian

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*Conference*

**Упрощение доказательства теоремы Бёрнса о базисном ранге**

V.H. Mikaelian

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*Conference*

**On ascending series of nilpotent subvarieties in soluble varieties of group**

V. H. Mikaelian

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*Conference*

**Явные вложения пекырсивных групп в конечно представленные группы**

В. Г. Микаелян

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*Conference*

**On pairs of wreath products of groups generating equal varieties**

V. H. Mikaelian

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*Conference*

**Вложения счетных групп, задаваемые универсальными словами в свободной группе**

В. Г. Микаелян

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*Conference*

**Constructive embeddings of recursively presented groups using H-machines**

Vahagn H. Mikaelian

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*Conference*

**Varieties generated by p-groups and  $K_p$ -series**

Vahagn H. Mikaelian

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*Conference*

**Embeddings of groups and the universal elements in free groups**

V. Mikaelian

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*Conference*

**Higman operations on integer sequences, and embeddings of recursive groups**

V. H. Mikaelian

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*Conference*

**An algorithm for explicit embeddings of countable groups into 2-generator groups**

Vahagn H. Mikaelian

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*Conference*

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

V.H. MIKAEIAN, V.S. ATABEKYAN

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*Conference*

**On constructive Higman embeddings of the groups  $Q$  and  $GL(n, Q)$  into finitely presented groups**

V. H. Mikaelian

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*Conference*

**ON EMBEDDINGS OF THE ADDITIVE GROUP OF RATIONAL NUMBERS  $Q$  INTO FINITELY**

**PRESENTED GROUPS**

V.H. Mikaelian

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*Conference*

**On the explicit analogue of the Higman Embedding Theorem for recursive groups**

V. H. Mikaelian

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