

# Sergey Stepan Davidov

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## Faculty of Mathematics and Mechanics

Chair of Algebra and Geometry

Associate professor

## Language skills

English Русский

## Membership

<b>Institution</b>	"Quasigroups and Related Systems" , member of editorial board
<b>Period of time</b>	2023 till now

## Publications

*Article*

### **On Singular Functional Variables in Hyperidentities**

Yu.Movsisyan, S.Davidov

Pattern Recognition and Image Analysis 2024 pp.31-39

*Article*

### **Classification of Dual Distributive Hyperidentities in Divisible Algebras (КЛАССИФИКАЦИЯ ДУАЛЬНЫХ ДИСТРИБУТИВНЫХ СВЕРХТОЖДЕСТВ В ДЕЛИМЫХ АЛГЕБРАХ)**

Ю.М.Мовсисян, С.С.Давидов

Известия НАН РА. Математика (Journal of Contemporary Mathematical Analysis (Armenian Academy of Sciences))  
2024 295 - 304

*Article*

### **Invertible binary algebras principally isotopic to a group**

Sergey Davidov, Davit Shahnazaryan, Senik Alvrtsyan

Asian-European Journal of Mathematics 2020 2050118-205128

*Article*

### **Hyperidentities with permutations leading to the isotopy of invertible binary algebras to a group**

Sergey S. Davidov, Davit A. Shahnazaryan

Quasigroups and Related Systems 2020 47-52

*Article*

### **Hyperidentities with permutations leading to the linearity of invertible binary algebras**

S.Davidov, D. Shachnazaryan

Вестник Российско-Армянского Университета: Физико-математические и естественные науки 2020  
17-26

Article

**Hyperidentities with permutations in invertible binary algebras**

S. S. Davidov, D. A. Shahnazaryan

Armenian Journal of Mathematics 2020 1-21

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Article

**Functional Equations with Division and Regular Operations**

Sergey Davidov, Aleksandar Krapez, Yuri Movsisyan

Asian-European Journal of Mathematics 2018 1850033 (14 p.)

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Article

**О структуре медиальных делимых  $n$ -арных группоидов**

С.С.Давидов

Математические заметки (MATHEMATICAL NOTES) 2018 33-44

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Monograph

**Алгебры близкие к квазигруппам**

Ю.М.Мовсисян, С.С.Давидов

2018 408

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Article

**A characterization of invertible algebras linear over a group by second-order formulas**

Sergey Davidov

Journal of Algebra and its Applications 2017 1750238-14 pages

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

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Article

**Groups with fuzzy operations (F-groups)**

S. S. Davidov, J. Hatami

Journal of Mathematics and Statistical Science 2016 154-165

<http://www.ss-pub.org/journals/jmss/>

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Article

**On paramedial division groupoid**

S. S. Davidov

Asian-European Journal of Mathematics 2016 1650008(10 pages)

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

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Article

**Linear Invertible Algebras and their Nucleus**

Sergey Davidov

Вестник Казанского государственного энергетического университета 2016 29 - 39

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Article

**Свободные коммутативные медиальные  $n$ -группоиды**

С. С. Давидов

Дискретная математика (Discrete Mathematics and Applications) 2015 34-44

<http://www.mathnet.ru/dm>

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Article

**An embedding theorem for medial n-ary groupoids with cancellation**

S. S. Davidov

Armenian Journal of Mathematics 2015 183-193

<http://www.flib.sci.am/eng/journal/Math/>

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*Article*

**Регулярные и корегулярные подстановки обратимой алгебры**

С. С. Давидов

Մաթեմատիկական բարձրագույն դպրոցում 2015 29-34

<http://www.math.seua.am>

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*Article*

**О трибелевых обратимых алгебрах**

С. С. Давидов

Մաթեմատիկական բարձրագույն դպրոցում 2015 21-29

<http://www.math.seua.am>

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*Article*

**Fre commutative medial n-ary groupoids**

Sergey S. Davidov

Discrete Mathematics and Applications 2015 203-210

<https://www.degruyter.com/view/j/dma>

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*Conference*

**On Functional Equations with Division and Regular Operations**

S.Davidov, A.Krapez, Yu.Movsisyan

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*Conference*

**Direct Product and Reduced Product of F-algebras**

S. S. Davidov, J. Hatami

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*Conference*

**A characterization of invertible algebras linear over a group by formulae of second-order language**

Sergey Davidov

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*Conference*

**Equational Theory of Algebras with Fuzzy Operations**

Sergey Davidov, Jahangir Hatami

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*Conference*

**On Division and Regular Algebras with Functional Equations**

Yuri Movsisyan, Sergey Davidov, Aleksandar Krapez

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*Conference*

**A characterization of binary invertible algebras isotopic to an abelian group**

Sergey Davidov

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*Conference*

**Parastrophically Uncancellable Equations with Division and Regular Operations**

Sergey Davidov, Yuri Movsisyan, Aleksandar Krapez

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*Conference*

**Invertible Binary Algebras Isotopic to a Group or an Abelian Group**

Sergey Davidov, Davit Shahnazaryan, Senik Alvrtsyan

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*Conference*

**The Structure of Distributive d-algebras**

S. Davidov, Yu. Movsisyan

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*Conference*

**On Singular Functional Variables in Hyperidentity of Distributivity**

Yuri Movsisyan, Sergey Davidov

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