

Anahit Artashes Chubaryan

Faculty of Informatics and Applied Mathematics
Chair of Discrete Mathematics and Theoretical Informatics
Professor

☎ 37493279118

✉ achubaryan@ysu.am

🌐 Language skills

Русский English Deutsch

📖 Publications

Article

A Hierarchy of Determinative Sequent Systems with Different Substitution Rules

Hakob A. Tamazyan, Anahit A. Chubaryan

Pattern Recognition and Image Analysis 2024 20-30

Article

On Quantified Splitting Proof System for Propositional Calculi

Anahit A. Chubaryan

Mathematical Problems of Computer Science 2024 9-16

Article

On Sizes of Linear and Tree-Like Proofs for any Formulae Families in Some Systems of Propositional Calculus

Levon A. Apinyan, Anahit A. Chubaryan

Mathematical Problems of Computer Science 2022 47-55

Article

О сложностях выводов балансированных формул в двух пропозициональных системах выводов

А. А. Чубарян, А. С. Азизян

ՀՀ ԳԱԱ զեկոլոցներ 2022 118-124

Article

Сравнение длин линейных и древовидных выводов некоторых семейств формул в ряде систем исчисления высказываний

Л. А. Апинян, А. А. Чубарян

ՀՀ ԳԱԱ զեկոլոցներ 2022 125-132

Article

PROOF COMPLEXITIES ON A CLASS OF BALANCED FORMULAS IN SOME PROPOSITIONAL SYSTEMS

A.A. Chubaryan

Proceedings of the YSU A. Physical and Mathematical Sciences 2022 58-65

Article

Relations between the Proof Complexities in Frege Systems, Deep-Inference Proof Systems KS and eKS

A.A. Chubaryan

ՀՀ ԳԱԱ զեկոլոցներ 2022 182-187

Article

Proof Complexity of Hard-Determinable Balanced Tautologies in Frege Systems

Anahit A. Chubaryan

Mathematical Problems of Computer Science 2022 61-66

Article

ИССЛЕДОВАНИЕ СВОЙСТВ МОНОТОННОСТИ И СТРОГОЙ МОНОТОННОСТИ ДВУХ ПРОПОЗИЦИОНАЛЬНЫХ СИСТЕМ КЛАССИЧЕСКОЙ ЛОГИКИ

Чубарян А.А., Зограбян Г.М.

Sciences of Europe 2021 60-62

Article

О некоторых свойствах минимальных тавтологий классической и неклассических логик

А. А. Чубарян, А. А. Амбарцумян, Г. А. Гаспарян, С. А. Ованнисян

ՀՀ ԳԱԱ զեկոլոցներ 2020 15-21

Article

О НЕМОНОТОННОСТИ ГИЛЬБЕРТОВСКИХ СИСТЕМ ИСЧИСЛЕНИЯ ВЫСКАЗЫВАНИЙ КЛАССИЧЕСКИХ И НЕКЛАССИЧЕСКИХ ЛОГИК

Амбарцумян А.А., Чубарян А.А

Sciences of Europe 2020 59-62

Article

On three types of universal propositional proof systems for all versions of many-valued logics and some its properties.

ANAHIT CHUBARYAN, HAKOB NALBANDYAN, ARTUR KHAMISYAN

EasyChair Preprint 2020 1-3

Article

On monotonous and strongly monotonous properties of some propositional proof systems for different logics.

ANAHIT CHUBARYAN, SERGEY SAYADYAN, ARSEN HAMBARDZUMYAN

EasyChair Preprint 2020 1-3

Article

On non-monotonous properties of some classical and nonclassical propositional proof systems

A.A. Chubaryan, A.A. Hambardzumyan

Proceedings of the YSU A. Physical and Mathematical Sciences 2020 127-136

Article

Об отношениях сложности выводов в ряде систем исчисления высказываний.

Акоп Тамазян, Анаит Чубарян

Mathematical Problems of Computer Science 2020 138-146

Article

Investigation of the Proof Complexity Measures of Strongly Equal K-Tautologies in Some Proof Systems

Anahit Chubaryan, Artur Khamisyan, Garik Petrosyan

Transactions on Engineering and Computing Sciences 2019 56-63

Article

О СВОЙСТВАХ МОНОТОННОСТИ И СТРОГОЙ МОНОТОННОСТИ ПРОПОЗИЦИОНАЛЬНЫХ СИСТЕМ РЕЗОЛЮЦИЙ КЛАССИЧЕСКОЙ И НЕКЛАССИЧЕСКИХ ЛОГИК

Чубарян А.А., Саядян С.М., Зограбян Г.М.

Sciences of Europe 2019 74-77

Article

Relations between the Proof Complexity Characteristics in Two Universal Proof Systems for All Variants of Many-Valued Logics

Anahit Chubaryan, Artur Khamisyan

East African Scholars Journal of Engineering and Computer Sciences 2019 69-74

Article

Some improvement of lower bounds for steps and sizes of proofs in Frege systems

Chubaryan A.A., Tamazyan H.A., Tshitoyan A.S.

Sciences of Europe 2019 39-44

Article

Исследование свойства монотонности некоторых пропозициональных систем выводов классической и неклассических логик

Г.М. Зограбян, С.М. Саядян, А.А. Чубарян

ՀՀ ԳԱԱ գեղարվեստ 2019 33-39

Article

Universal system for many-valued logic, based on splitting method, and some of its properties

Anahit Chubaryan

International Journal of Innovative Studies in Sciences and Engineering Technology 2019 52-55

Article

On the Proof Complexities of Strongly Equal Non-classical Tautologies

Anahit Chubaryan, Sergey Sayadyan

Advances in Mathematics and Computer Science 2019 105-112

Article

On lower bounds for proofs sizes in Frege systems

A.A.Chubaryan, H.A.Tamazyan

ՀՀ ԳԱԱ գեղարվեստ 2019 116-121

Article

О некоторых свойствах пропозициональной системы обобщенных расщеплений

А.Чубарян, С.Ованисян, Г.Гаспарян

Вестник Российско-Армянского Университета: Физико-математические и естественные науки 2019 34-42

Article

Օ քանակութեան մինիմալնոց և յատկութեան իւր եզրակացումներու մասին մի քանակական և ոչ քանակական լոյկներու համակարգում

Անահիտ Ա. Չոբարյան, Արսեն Ա. Ամբարձումյան, Գայկ Ա. Գասպարյան, Սարգիս Ա. Օվաննիսյան

Հիբրեանստիկայի և հաշվողական տեխնիկայի մաթեմատիկական հարցեր 2019 66-79

Article

Some properties of several proof systems for Intuitionistic, Johansson's and Monotone propositional logics

Chubaryan Anahit, Karabakhtsyan A., Petrosyan Garik

Journal of Asian Scientific Research 2018 61-72

<http://www.aessweb.com/journals/February/2018/503/4020>

Article

"Слабые" системы выводов классического исчисления высказываний не монотонны

Չոբարյան Ա.Ա., Տսայդյան Տ.Մ

Проблемы современной науки и образования 2018 5-10

<http://www.ipii.ru>

Article

Two types of universal proof systems for all variants of many-valued logics and some properties of them

Anahit Chubaryan, Artur Khamisyan

Iran Journal of Computer Science 2018 1-8

<https://doi.org/10.1007/s42044-018-0015-4>

Article

Օ յատկութեան ոչ մոնոտոնութեան որոշակի եզրակացումներու համակարգերու համակարգում

Տսայդյան Տ. Մ., Չոբարյան Ա. Ա.

Доклады НАН РА 2018 20-25

<http://elib.sci.am>

Article

ON SOME PROPERTIES OF SEVERAL PROOF SYSTEMS FOR NON CLASSICAL PROPOSITIONAL LOGICS

Chubaryan A., Karabakhtsyan A., Petrosyn G.

Вестник Российско-Армянского Университета: Физико-математические и естественные науки 2018 5-17

Article

On some propositional proof systems for various logics

Chubaryan A.A., Tshitoyan A.S.

Sciences of Europe 2017 26-29

http://elibrary.ru/title_about.asp?id=58360

Article

Some notes on proof complexities in Frege systems

Chubaryan A.A., Petrosyan G.W.

Sciences of Europe 2017 31-34

http://elibrary.ru/title_about.asp?id=58360

Article

Generalization of Kalmar's proof of deducibility in two valued propositional logic into many valued logic

Chubaryan Anahit, Khamisyan Artur

Pure and Applied Mathematics Journal 2017 71-75

<http://www.sciencepublishinggroup.com/journal/index?journalid=141>

Article

On some properties of several proof systems for 2-valued and 3-valued propositional logic

Anahit Chubaryan, Garik Petrosyan

Fundamentalism scientiam 2017 70-73

<http://fundamentalism-scientiam.com/ru/main/>

Article

On some systems for Łukasiewicz's many-valued logic and its properties

Chubaryan Anahit, Khamisyan Artur, Arman Tshitoyan

Fundamentalism scientiam 2017 74-79

<http://fundamentalism-scientiam.com/ru/main/>

Monograph

On some systems for two versions of many-valued logics

Anahit Chubaryan, Artur Khamisyan, Garik Petrosyan

2017 73

Manual

Հաշվարկելիության բարդության տեսության հիմնադրույթները

Ա. Ա. Չուբարյան, Հ. Գ. Մովսեսյան, Ս. Ս. Սայադյան

2017 62

Article

The relations between the proof complexities of strongly equal classical tautologies in Frege systems

Chubaryan A.A., Petrosyan G.W

Содружество 2016 78-81

http://rf-china-science.ru/wp-content/uploads/2016/5/Sodr_1_1.pdf

Article

О некоторых системах доказательств для многозначных логик и сложностях выводов в них

А.А.Чубарян, А.С.Читоян, А.А.Хамисян

ՀՀ ԳԱԱ զեկոլոցներ 2016 108-114

<http://www.flib.sci.am/eng/Reports/Frame.html>

Article

Новый метод доказательства полноты пропозициональной системы трехзначной логики Лукасевича и его приложения

Анаит Чубарян, Артур Хамисян

Evolutio. Естественные науки 2016 9-12

<http://evolutio-journal.ru/evolutio-%D0%B5%D1%81%D1%82%D0%B5%D1%81%D1%82%D0%B2%...>

Article

Frege systems are no monotonous

Anahit Chubaryan, Garik Petrosyan

Evolutio. Естественные науки 2016 12-14

<http://evolutio-journal.ru/evolutio-%D0%B5%D1%81%D1%82%D0%B5%D1%81%D1%82%D0%B2%...>

Monograph

Rabin style speed-up of proofs

An. Chubaryan

2010 50

Conference

On some universal system for various propositional logics

An. Chubaryan, Arm. Chubaryan, H.Nalbandyan, S. Sayadyan

Conference

Some notes about lower bounds for steps and sizes of proofs in Frege systems

An.Chubaryan, Arm. Chubaryan, A.Tshitoyan

Conference

Improvement of lower bounds for steps and sizes of proofs in Frege systems

Anahit Chubaryan

Conference

The proof complexities relations for strongly equal classical tautologies in Frege systems

Anahit Chubaryan, Garik Petrosyan

Conference

Some new proof systems for a version of many-valued logics and proof complexities in it

Anahit Chubaryan, Artur Khamisyan, Arman Tshitoyan

Conference

On lower bounds for steps and sizes of proofs in Frege systems

An.Chubaryan, Arm. Chubaryan, A.Tshitoyan

Conference

Application of Kalmar's proof of deducibility in two valued propositional logic for many valued logic

Anahit Chubaryan, Artur Khamisyan

Conference

On proof complexities for some classes of tautologies in Frege systems

Anahit Chubaryan, Garik Petrosyan

Conference

Propositional sequent systems of two valued classical logic and many valued logics are no monotonous17-08-14.html. .

Anahit Chubaryan, Hakob Nalbandyan, Arman Karabakhtsyan, Garik Petrosyan

Conference

On some universal proof system for all versions of many-valued logics

Anahit Chubaryan, Artur Khamisyan

Conference

On the relations between the proof complexity measures of strongly equal k-tautologies in some proof systems

Anahit Chubaryan, Garik Petrosyan

Conference

On the proof complexity in two universal proof system for all versions of many-valued logics

ANAHIT CHUBARYAN, ARTUR KHAMISYAN

Conference

Monotonous and strong monotonous properties of some propositional proof systems for Classical and Non Classical Logics

ANAHIT CHUBARYAN, GARIK PETROSYAN, SERGEY SAYADYAN

Conference

On monotonous and strong monotonous properties of some propositional proof systems for two valued and finite-many-valued logics

ANAHIT CHUBARYAN, SERGEY SAYADYAN

Conference

On three types of universal propositional proof systems for all versions of many-valued logics and some properties of them

ANAHIT CHUBARYAN, HAKOB NALBANDYAN

Conference

On non-monotonous properties of some propositional proof systems

ANAHIT CHUBARYAN, ARSEN HAMBARDZUMYAN

Conference

Comparison of two propositional proof systems by lines and by sizes

ANAHIT CHUBARYAN, SARGIS HOVHANNISYAN, HAYK GASPARYAN

Ematerial

ՀԱՇՎԱՐԿԵԼԻՈՒԹՅԱՆ ԲԱՐԴՈՒԹՅԱՆ ՏԵՍՈՒԹՅԱՆ ՀԻՄՆԱԴՐՈՒՅԹԵՐ

Ա.Ա. Չոլբարյան, Հ.Գ. Մովսեսյան, Ս.Մ.Սալյարյան

Conference

A Hierarchy of Determinative Sequent Systems with Different Substitution Rules

Hakob Tamazyan, Anahit Chubaryan

Conference

ON SOME QUANTIFIED PROPOSITIONAL SYSTEM

An. A. Chubaryan
