



Petros Ashot Petrosyan

Faculty of Informatics and Applied Mathematics

Chair of Discrete Mathematics and Theoretical Informatics

Ամբիոնի վարիչ (դոցենտ)

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 petros_petrosyan@ysu.am

Education

Institution	Institute for Informatics and Automation Problems of NAS of RA
Faculty	Special colorings of graphs
Date	2003 - 2006
Degree name	PhD student

Institution	Yerevan State University
Faculty	Informatics and Applied Mathematics
Date	2001 - 2003
Degree name	Masters

Institution	Yerevan State University
Faculty	Informatics and Applied Mathematics
Date	1997 - 2001
Degree name	Bachelor

Scientific Rank/degree

Institution	Institute for Informatics and Automation Problems of NAS of RA
Date	2006
Degree name	Candidate
Specialty	Physico-mathematical sciences
Scientific Supervisor	R.R. Kamalian
Research Topic	Interval color-feasible sequences for some classes of graphs

Language skills

Հայերեն Русский English

Work experience

Institution	Yerevan State University
Period of time	2022 till now
Rank/degree	Head of the chair of Discrete Mathematics and Theoretical Informatics

Institution Gdansk University of Technology
Period of time 2020 - 2020
Rank/degree Visiting professor at Faculty of Electronics, Telecommunications and Informatics

Institution Yerevan State University
Period of time 2020 - 2022
Rank/degree Acting head of the chair of Discrete Mathematics and Theoretical Informatics

Institution Gdansk University of Technology
Period of time 2019 - 2019
Rank/degree Visiting professor at Faculty of Electronics, Telecommunications and Informatics

Institution Yerevan State University
Period of time 2016 till now
Rank/degree Associate professor at Department of Informatics and Applied Mathematics

Institution Russian-Armenian (Slavonic) University
Period of time 2016 till now
Rank/degree Associate professor at Department of Applied Mathematics and Informatics

Institution Institute for Informatics and Automation Problems of NAS RA
Period of time 2007 - 2019
Rank/degree Researcher

Institution Yerevan State University
Period of time 2006 - 2016
Rank/degree Assistant professor at Department of Informatics and Applied Mathematics

Institution Russian-Armenian (Slavonic) University
Period of time 2003 - 2005
Rank/degree Instructor of Discrete Mathematics, Combinatorial Algorithms, Graph Theory and Information Security at the Department of Applied Mathematics

Institution Institute for Informatics and Automation Problems of NAS RA
Period of time 2002 - 2006
Rank/degree Junior Researcher

Scientific interests

- Discrete Mathematics, Graph Theory, Combinatorial Optimization, Approximation Algorithms, Complexity Theory, Complex Networks.
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Article

Near-interval edge colorings of graphs

Petros A. Petrosyan, Carl Johan Casselgren, Michał Mańafiejski, Krzysztof Pastuszak

Discrete Applied Mathematics 2025 23-36

Article

О СИЛЬНЫХ РЕБЕРНЫХ РАСКРАСКАХ ДВУДОЛЬНЫХ ГРАФОВ

П.А. Петросян, А.К. Драмбян

Вестник Российско-Армянского Университета: Физико-математические и естественные науки 2025

33-40

Article

Вершинно-различающие реберные раскраски одного класса графов

П.А. Петросян, Т.К. Петросян

Вестник Российско-Армянского Университета: Физико-математические и естественные науки 2025

41-52

Article

SOME BOUNDS ON THE NUMBER OF COLORS IN INTERVAL EDGE-COLORINGS OF GRAPHS

P.A. Petrosyan, L.N. Muradyan

Proceedings of the YSU A. Physical and Mathematical Sciences 2024 57-65

Article

Decomposing graphs into interval colorable subgraphs and no-wait multi-stage schedules

Petros A. Petrosyan, Armen S. Asratian, Carl Johan Casselgren

Discrete Applied Mathematics 2023 25-35

Article

ON THE PALETTE INDEX OF GRAPHS HAVING A SPANNING STAR

P.A. Petrosyan, A.B. Ghazaryan

Proceedings of the YSU A. Physical and Mathematical Sciences 2022 85-96

Article

Locally-balanced k-partitions of graphs

P.A. Petrosyan, A.H. Gharibyan

Proceedings of the YSU A. Physical and Mathematical Sciences 2021 96-112

Article

Improper interval edge colorings of graphs

Petros A. Petrosyan, Carl Johan Casselgren

Discrete Applied Mathematics 2021 164-178

Article

On locally-balanced 2-partitions of bipartite graphs

P.A. Petrosyan, A.H. Garibyan

Proceedings of the YSU A. Physical and Mathematical Sciences 2020 137-145

Article

Some results on the palette index of graphs

Petros A. Petrosyan, Carl Johan Casselgren

DISCRETE MATHEMATICS AND THEORETICAL COMPUTER SCIENCE 2019 1-20

Article

Cyclic deficiency of graphs

Petros A. Petrosyan, Armen S. Asratian, Carl Johan Casselgren

Discrete Applied Mathematics 2019 171-185

Article

Some bounds on the number of colors in interval and cyclic interval edge colorings of graphs

Petros A. Petrosyan, Carl Johan Casselgren, Hrant H. Khachatryan

Discrete Mathematics 2018 627-637

<https://www.sciencedirect.com/science/article/pii/S0012365X17303837>

Article

Some results on cyclic interval edge colorings of graphs

Petros A. Petrosyan, Armen S. Asratian, Carl Johan Casselgren

Journal of Graph Theory 2018 239-252

<https://onlinelibrary.wiley.com/journal/10970118>

Article

On Locally-Balanced 2-Partitions of Complete Multipartite Graphs

Petros A. Petrosyan, Aram H. Gharibyan

Mathematical Problems of Computer Science 2018 7-17

Article

Interval edge-colorings of composition of graphs

H.H. Tepanyan, P.A. Petrosyan

Discrete Applied Mathematics 2017 368-374

<https://www.journals.elsevier.com/discrete-applied-mathematics/>

Article

Further results on the deficiency of graphs

P.A. Petrosyan, H.H. Khachatryan

Discrete Applied Mathematics 2017 117-126

<https://www.journals.elsevier.com/discrete-applied-mathematics/>

Article

On interval edge-colorings of outerplanar graphs

P.A. Petrosyan

Ars Combinatoria 2017 127-135

<http://www.combinatorialmath.ca/arscombinatoria/>

Article

On interval and cyclic interval edge colorings of (3,5)-biregular graphs

Carl Johan Casselgren, Petros A. Petrosyan, Bjarne Toft

Discrete Mathematics 2017 2678-2687

<http://www.elsevier.com/locate/disc>

Article

Interval cyclic edge-colorings of graphs

P.A. Petrosyan, S.T. Mkhitarian

Discrete Mathematics 2016 1848-1860

<http://www.elsevier.com/locate/disc>

Article

Interval edge-colorings of complete graphs

P.A. Petrosyan, H.H. Khachatrian

Discrete Mathematics 2016 2249-2262

<http://www.elsevier.com/locate/disc>

Manual

Գրաֆների տեսություն

Պ.Ա. Պետրոսյան, Վ.Վ. Մկրտչյան, Ռ.Ռ. Քամայան

2015 214

Conference

Interval edge colorings of Hamming graphs

Petros Petrosyan, Hrant Khachatrian

Conference

On Interval Edge-Colorings of Bipartite Graphs

Petros Petrosyan, Hrant Khachatrian, Tigran Mamikonyan

Conference

On Interval Cyclic Colorings of Bipartite Graphs

Petros A. Petrosyan, Armen S. Asratian, Carl Johan Casselgren

Conference

On the Palette Index of Bipartite Graphs

Petros A. Petrosyan

Conference

On the Achromatic Index of Complete Graphs

Petros A. Petrosyan, Narek H. Hovsepyan

Conference

On Locally-Balanced 2-Partitions of Some Graphs

Petros A. Petrosyan, Aram H. Gharibyan

Conference

Near-interval edge-colorings of graphs

P.A. Petrosyan

Conference

Some results on palette index of graphs

Petros Petrosyan

Conference

Interval Edge-Colorings of Graphs: Variations and Generalizations

Petros A. Petrosyan

Conference

Decomposing graphs into interval colorable subgraphs and no-wait multi-stage schedules

P.A. Petrosyan, A.S. Asratian, C.J. Casselgren

Conference

An Upper Bound on the Edge-Chromatic Sum of Fibonacci Cubes

Petros Petrosyan, Hamlet Mikaelyan

Conference

On Interval Coloring Thickness of Some Classes of Bipartite Graphs

Petros Petrosyan, Raya Yesayan

Conference

Strong Edge-Coloring of Hamming Graphs

Petros Petrosyan, Aram Drambyan

Conference

Vertex-Distinguishing Edge Coloring of Fibonacci Cubes

Petros Petrosyan, Tigran Petrosyan

Conference

Strong Edge-Colorings of Powers of Paths and Cycles

P. Petrosyan, A. Drambyan

Conference

ON THE ALGORITHM OF RECOGNIZING OF INTERVAL COLORABILITY OF CACTUS GRAPHS

P. Petrosyan, L. Muradyan

Conference

ВЕРШИННО-РАЗЛИЧАЮЩАЯ РЕБЕРНАЯ РАСКРАСКА КУБОВ ЛУКАСА

П.А. Петросян, Т.К. Петросян

Conference

ON CYCLIC INTERVAL COLORINGS OF GRAPHS

Petros A. Petrosyan

Conference

EDGE-CHROMATIC SUMS OF TENSOR AND STRONG TENSOR PRODUCTS OF GRAPHS

Petros A. Petrosyan, Hamlet V. Mikaelyan

Conference

NEAR-INTERVAL EDGE-COLORINGS OF GRAPHS

Petros A. Petrosyan

Conference

On Interval Coloring Thickness of Graphs

Petros Petrosyan
