

Faculty of Informatics and Applied Mathematics
Chair of Numerical Analysis and Mathematical Modeling
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Publications

Article

On Polynomial Solutions of PDE with Constant Coefficients

Hakop Hakopian, Gharibyan Anna

Trends in Mathematics 2025 127-135

Article

On the Gasca-Maeztu Conjecture for $n = 6$

H. Hakopian, N. Vardanyan, G. Vardanyan

Journal of Contemporary Mathematical Analysis (Armenian Academy of Sciences) 2023 15-32

Article

On a result concerning algebraic curves passing through n -independent nodes

H. A. Hakopian

Proceedings of the YSU A. Physical and Mathematical Sciences 2022 97-106

Article

ON PLANE ALGEBRAIC CURVES PASSING THROUGH n -INDEPENDENT NODES

Hakop Hakopian, Kloyan Harutyun, Voskanyan Davit

Journal of Contemporary Mathematical Analysis (Armenian Academy of Sciences) 2021 280-294.

Article

On the Noether and the Cayley-Bacharach Theorems with PD Multiplicities

H. Hakopian, N. Vardanyan

Journal of Contemporary Mathematical Analysis (Armenian Academy of Sciences) 2020 156-165

Article

On the basic properties of GC_n sets

Hakop Hakopian, Navasard Vardanyan

Journal of Knot Theory and Its Ramifications 2020 1-26

Article

On the usage of lines in GC_n sets

Hakop Hakopian, Vahagn Vardanyan

Advances in Computational Mathematics 2019 1-23

Article

О точках пересечения двух плоских алгебраических кривых.

Акоп Акопян, Давид Восканян

Article

On the Intersection Points of Two Plane Algebraic Curves

Hakop Hakopian, Davit Voskanyan

Journal of Contemporary Mathematical Analysis (Armenian Academy of Sciences) 2019 90-97

Article

ON THE DIMENSION OF SPACES OF ALGEBRAIC CURVES PASSING THROUGH n -INDEPENDENT NODES

H. A. HAKOPIAN, H. M. KLOYAN

Proceedings of the YSU A. Physical and Mathematical Sciences 2019 91-100

Article

On a correction of a property of GC n sets

Hakop Hakopian, Vahagn Vardanyan

Advances in Computational Mathematics 2018 1-15

Article

On a new property of n -poised and GC n sets

Hakop Hakopian, Vahagn Bayramyan

Advances in Computational Mathematics 2017 607-626

<https://link.springer.com/journal/10444>

Article

On the uniqueness of algebraic curves passing through n -independent nodes

Hakopian, Hakop, Toroyan, Sofik

New York Journal of Mathematics 2016 441-452

<http://nyjm.albany.edu/>

Article

On Characterization of Poised Nodes for a Space of Bivariate Functions

Hakop Hakopian, Hayk Avdalyan

Advances in Linear Algebra & Matrix Theory 2016 89-103

<http://www.scirp.org/journal/alamt/>

Article

On a generalization of the Gasca-Maeztu conjecture

Haakop Hakopian, Levon Rafayelyan

New York Journal of Mathematics 2015 351-367

<http://nyjm.albany.edu/>

Article

On multivariate segmental interpolation problem

Hakop Hakopian, Gevorg Mushyan

Journal of computer science and applied mathematics 2015 19-29

<http://research-publication.com/index.php/jcsam.html>

Article

A simple proof of the Gasca-Maeztu conjecture for $n=4$

Hakopian, H., Bayramyan, V., Toroyan, S.

Jaen Journal on Approximation 2015 137-147

<http://www.ujen.es/revista/jja/index1.php>

Article

On the uniqueness of algebraic curves

H.A. Hakopian, V. H. Bayramyan, S.Z.Toroyan

Proceedings of the YSU A. Physical and Mathematical Sciences 2015 3-7

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

Article

On the minimal number of nodes uniquely determining algebraic curves

H.A. Hakopian, S.Z.Toroyan

Proceedings of the YSU A. Physical and Mathematical Sciences 2015 17-22

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

Conference

Progress on the Gasca-Maeztu Conjecture

Hakop Hakopian, Kurt Jetter, Georg Zimmermann

Conference

On multivariate segmental interpolation problem

H. Hakopian, G. Mushyan

Conference

On a property of GCn sets

H. Hakopian, V. Vardanyan

Conference

On the usage of lines in GCn-sets

H. Hakopian, V. Vardanyan

Conference

The Usage of Lines in GCn-Sets

H. Hakopian, V. Vardanyan

Conference

On the set of solutions of polynomial systems

Hakop Hakopian, Davit Voskanyan

Conference

On n-independent, n-correct and GCn sets

H. A. Hakopian

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On the Gasca-Maeztu conjecture for $n = 6$

Haopian H. A., Vardanyan G.K., Vardanyan N.K.

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On polynomial solutions of PDE with constant coefficients

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