

**Faculty of Informatics and Applied Mathematics**  
Chair of Numerical Analysis and Mathematical Modeling  
Head of the chair, professor

## Publications

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*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

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*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

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*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.

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*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

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*Article*

**On the basic properties of  $GC_n$  sets**

Hakop Hakopian, Navasard Vardanyan

Journal of Knot Theory and Its Ramifications 2020 1-26

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*Article*

**On the usage of lines in  $GC_n$  sets**

Hakop Hakopian, Vahagn Vardanyan

Advances in Computational Mathematics 2019 1-23

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*Article*

**О точках пересечения двух плоских алгебраических кривых.**

Акоп Акопян, Давид Восканян

Известия НАН РА. Математика (Journal of Contemporary Mathematical Analysis (Armenian Academy of Sciences))  
2019 17-30

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*Article*

**On the Intersection Points of Two Plane Algebraic Curves**

Hakop Hakopian, Davit Voskanyan

*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

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*Article*

**On a correction of a property of GC  $n$  sets**

Hakop Hakopian, Vahagn Vardanyan

Advances in Computational Mathematics 2018 1-15

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*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>

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*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/>

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*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/>

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*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/>

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*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>

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*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.ujjaen.es/revista/jja/index1.php>

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*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.y-su.am/science/en/journals>

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*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.y-su.am/science/en/journals>

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*Conference*

**Progress on the Gasca-Maeztu Conjecture**

Hakop Hakopian, Kurt Jetter, Georg Zimmermann

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*Conference*

**On multivariate segmental interpolation problem . . . . .**

H. Hakopian, G. Mushyan

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*Conference*

**On a property of GC<sub>n</sub> sets**

H. Hakopian, V. Vardanyan

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*Conference*

**On the usage of lines in GC<sub>n</sub>-sets**

H. Hakopian, V. Vardanyan

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**The Usage of Lines in GC<sub>n</sub>-Sets**

H. Hakopian, V. Vardanyan

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*Conference*

**On the set of solutions of polynomial systems**

Hakop Hakopian, Davit Voskanyan

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*Conference*

**On n-independent, n-correct and GC<sub>n</sub> sets**

H. A. Hakopian

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*Conference*

**On n-independent, n-correct, and GC<sub>n</sub> sets**

Hakop Hakopian

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*Conference*

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

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

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*Conference*

**On polynomial solutions of PDE with constant coefficients**

