

International scientific conference
«Algebraic and geometric methods
of analysis»

Book of abstracts



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LIST OF TOPICS

- Algebraic methods in geometry
- Differential geometry in the large
- Geometry and topology of differentiable manifolds
- General and algebraic topology
- Dynamical systems and their applications
- Geometric problems in mathematical analysis
- Geometric and topological methods in natural sciences
- History and methodology of teaching in mathematics

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НТБ ОНАФТ

Multiple roots of the volume polynomials for polyhedra

I. Kh. Sabitov

(Russia, Lomonosov Moscow State University)

E-mail: isabitov@mail.ru

In our work [1] among the open questions we have formulated under the number 6 a conjecture that the volume of any infinitesimally non-rigid polyhedron should be a multiple root of its volume polynomial. Now we can present a proof of this conjecture. As a consequence we have that the volume of any flexible polyhedron is a multiple root of its volume polynomial.

REREFENCES

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