Presentation of a Journal

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Language: Bulgarian and abstracts in English

Style of Journal: Articles, Short communications, Reviews, Editorial articles, References, Information for competitions and educational events, New technologies, Journal competition, Entertainment

Reviewing: Articles are published after reviewing by Bulgarian and Foreign reviewers

Target Group: Students (primary school, secondary school, high school, college, university), teachers, educators

Short Annotation: Mathematics Plus is a scientific-popular journal, which is approved by the Bulgarian Ministry of Education and Science for Curriculum and out-Curriculum activities in Mathematics and Informatics. It is edited by the moral support of the Institute of Mathematics and Informatics of the Bulgarian Academy of Sciences. After reviewing the journal publishes articles and short communications with original results, also reviews on important trends of Mathematics and Informatics. The main direction is the pedagogical one. Bulgarian and foreign professionals and experts develop methodological and pedagogical aspects of teaching and learning, problem solving, propose heuristic methods and instrumentarium for scientific innovations and research.

The following areas are covered: Mathematical Analysis, Number Theory, Graph Theory, Combinatorics, Functional Equations, Combinatorial Geometry, Algorithmic Approach, etc. In the paper *Khadzhiivanov, N. On an assertion for Stiener's triplets. 4, 2004* an inequality is sharpened concerning the minimal number of triangles which are necessary to cover the edges of a complete graph. In the paper *Popivanov, P. On an inequality with nontrivial applications. 1, 2005* applications are proposed of the gradient inequality, which connects the derivative of a

function with the function itself. In the paper *Okumura, H., M. Watanabe. Non-Archimedean twin circles in the arbelos. 1, 2005* the leading Japanese authors generalize a classic problem for in-circles. In the article *Sedrakjan, N. Two geometric inequalities, 4, 2006* the well-known author from Armenia proves two new inequalities. In the paper *Petkov, P. Parametric representations of rational triangles. 1, 2007* results of academician Ljubomir Chakalov from 1925 and academician Petar Popivanov from 2005 are continued.

Also, the journal publishes information on the scientific life in Bulgaria and abroad, notifies anniversaries of world-known mathematicians and informaticians, discusses International Olympiads and competitions, the World and European Congresses, scientific events in Mathematics and Informatics Education.

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History of Journal: Mathematics Plus appeared as an initiative of a group of mathematicians from the Institute of Mathematics and Informatics of the Bulgarian Academy of Sciences and the Faculty of Mathematics and Informatics of the Sofia University. The editor of the first and subsequent issues of the journal is Mathematics Plus Ltd.

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