

Gheorghe Tzitzeica - an incomplete bibliography

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Abstract

The aim of this paper is to provide the reader with: the list of scientific papers and books of Gheorghe Tzitzeica; a record with miscellanea papers (in elementary Mathematics, Educational policy, etc); a bibliography with papers quoting Gheorghe Tzitzeica (in the title, in the key words or in the references list). Both the second and third items are inevitably incomplete, as the subject is too vast, the sources are scarce and erodate in time.

Mathematics Subject Classification: 01-02.

Key words: Tzitzeica's papers, Tzitzeica's bibliography, Tzitzeica's quotations.

The mathematical and cultural work of the Romanian geometer Gheorghe Tzitzeica is a great one, because of its importance, its originality but also due to its dimensions: more than 200 printed papers and books with numerous editions (the problem book in geometry has more than 12 editions).

In 1941, two years from the passing into the eternity of Gh. Tzitzeica, the Romanian Academy published the first volume of his work, containing a selection of scientific papers and memoirs, through the efforts of Gh. Vrănceanu (the successor of Tzitzeica at the Chair of Geometry of the University of Bucharest) and O. Onicescu. In the Foreword of the respective volume, D. Pompeiu described the project of the Romanian Academy to publish also:

- a second volume with the second editions of *The projective differential geometry of webs* (1923) and *Introduction to the projective differential geometry of curves* (1931);
- a third volume with miscelanneus papers.

After more than 60 years, this project is only partially accomplished: the new edition of *The projective differential geometry of webs* appeared in 1956, but the third volume is still a (forgotten) dream.

Our paper tries to (partially) fill the bibliographical gap. With the available sources (the University library, the databases from *Zentrallblatt* and *Mathematical Reviews*) we began a new project, more ambitious: to list all the papers and media recordings of Gh. Tzitzeica, together with quotations of his work and personality. The first topic is inevitably a "finite" one; the second topic is open in time, and grows like a snowbowl

runing downhill. We did our best to rull over these two tasks and we consider the result as a partial one.

We made several choices:

- to list the papers in the up-to-down cronological order;
- to allow the name of Tzitzeica appear in various forms (Titeica, Tzitzeica, Tzitzéica, Tzitzeica), following the style of the used sources;
- to separate, sometimes in an arbitrary manner, "scientific" papers from "didactics" ones, or to classify "miscellaneous" a paper adressed to a large audience, but which might be also considered a scientific one.

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