



## INTRODUCTION BY PROF. GERT-MARTIN GREUEL



Since January 2012 I am the new Editor-in-Chief of Zentralblatt MATH, succeeding Bernd Wegner, who, during his 37 years as the head of the service, managed its transition into the age of online information. It is my goal to further develop Zentralblatt MATH, with emphasis on its electronic service [zbMATH](#). My mathematical background is in algebraic geometry, singularity theory and computer algebra. I am Professor of Mathematics at the University of Kaisers-

lautern, and since February 2002 I have been the director of the Mathematisches Forschungsinstitut Oberwolfach. I am also one of the developers of the open source computer algebra system SINGULAR.

As you probably know, Zentralblatt MATH is the longest-running and most comprehensive review and abstract service in pure and applied mathematics. Most notably, it is a valuable service from the mathematical community for the mathematical community. Edited by the Berlin editorial office of [FIZ Karlsruhe](#) (a public institute for information infrastructure) in cooperation with the European Mathematical Society and the Heidelberg Academy of Sciences, Zentralblatt MATH runs on a non-profit model. Springer-Verlag is the publisher, responsible for marketing, sales and invoicing.

At the very heart of the service provided by Zentralblatt MATH are our reviewers. They provide us with independent, high-quality reviews of the most relevant peer-reviewed publications in mathematics and related areas. The reviewers' work is of the uttermost importance for the mathematical community, and also a rewarding activity for mathematicians at all stages of their scientific career. At Zentralblatt MATH we greatly appreciate the contributions of our reviewers – I would personally like to thank them for the time and effort devoted to their crucial service to the community.

The zbMATH database is in a permanent growth process: about 120,000 new items are input every year, including journal articles, monographs and proceeding volumes. Besides maintaining this impressive collection of mathematical reviews, we are also engaged in various projects: a new database for mathematical software, called swMATH, has been launched in September 2012; DeLiVerMath, a project on semantic search, took off last January; and MathSearch, which deals with automatic analysis of formulas, will make it possible to query mathematical expressions.

At Zentralblatt MATH we are proud of our decades-long legacy of mathematical reviews and simultaneously looking forward to new, important and exciting developments in the future. I count very much on your continuing support of our activities.

*Gert-Martin Greuel, Editor-in-Chief*

## NEW SOFTWARE DATABASE SWMATH LAUNCHES ITS PROTOTYPE

As of September 2012, the prototype of the new software database swMATH, a joint project of the Mathematical Research Institute Oberwolfach and FIZ Karlsruhe, is available at [www.swmath.org](http://www.swmath.org).

swMATH is a freely accessible, innovative information service for mathematical software. It not only provides access to an extensive database of information on mathematical codes, but also includes a systematic linking of software packages with relevant mathematical publications archived in zbMATH.

swMATH sees itself as a service for the mathematical community. Additions and corrections from authors and users of mathematical software can be communicated under [www.swmath.org/feedback](http://www.swmath.org/feedback) and are very welcome.

## REVIEWERS RECRUIT REVIEWERS

Our reviewers play an essential role in Zentralblatt MATH. Thanks to their valuable service for the community from the community we can provide access to independent, well-balanced descriptions of the major publications in mathematics and related fields. In addition, outstanding works are given broad visibility.

The recommendations from those already involved in Zentralblatt MATH are very valuable to enlarge our pool of reviewers. We would like to ask you to provide us with suggestions for potential new reviewers. These might be your colleagues, coauthors, postdocs and doctoral candidates.

We look forward to receiving your suggestions for new reviewers at [editor@zentralblatt-math.org](mailto:editor@zentralblatt-math.org).

Many thanks for helping us maintain a high-quality reviewer pool for Zentralblatt MATH!