

“Mathematics is the key instrument in controlling the growing complexity of today’s world.”

Spokespersons

Prof. Dr. Martin Skutella (Technische Universität Berlin)

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Host institutions

Technische Universität Berlin

Freie Universität Berlin

Humboldt-Universität zu Berlin

Weierstrass Institute for Applied Analysis and Stochastics (WIAS)

Zuse Institute Berlin (ZIB)

Cooperation partners

Berlin-Brandenburgische Akademie der Wissenschaften (BBAW)

Deutsches Archäologisches Institut (DAI)

Ferdinand-Braun-Institut, Leibniz-Institut für Höchstfrequenztechnik (FBH)

Helmholtz Zentrum Berlin für Materialien und Energie (HZB)

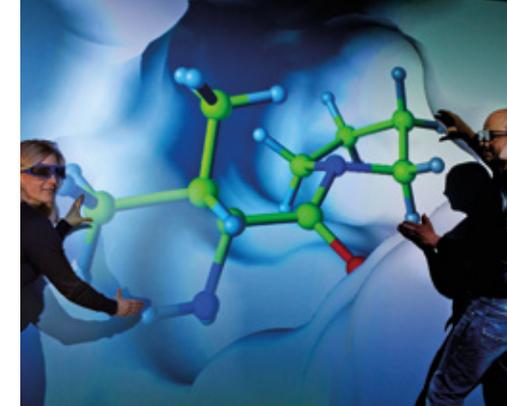
Max Delbrück Center for Molecular Medicine (MDC)

Max-Planck-Institute for Molecular Genetics (MPIMG)

Physikalisch-Technische Bundesanstalt (PTB)

Potsdam Institute for Climate Impact Research (PIK)

WZB Berlin Social Science Center



MATH+

The Berlin Mathematics Research Center

Cluster of Excellence

Transforming the World through Mathematics

The Berlin Mathematics Research Center **MATH+** is a cross-institutional and transdisciplinary Cluster of Excellence. It sets out to explore and further develop new approaches in application-oriented mathematics. Emphasis is placed on mathematical principles for using ever larger amounts of data in life and materials science, in energy and network research, and in the humanities and social sciences. Integral to the MATH+ agenda is the research training and education of talented young researchers on their paths to careers both in academia and beyond. MATH+ also actively promotes the transfer of knowledge to industry and society at large. ▶▶

Website mathplus.de

The **Excellence Strategy** aims to strengthen cutting-edge university research in Germany. The German federal and state governments launched this program to provide long-term support for top-quality research groups – so-called Clusters of Excellence – and high-performance universities. **MATH+** is one of seven Clusters situated in Berlin. In 2018, it was granted an initial seven years of funding.



With the Berlin University Alliance, Freie Universität Berlin, Humboldt-Universität zu Berlin, Technische Universität Berlin, and Charité – Universitätsmedizin Berlin want to overcome boundaries and create a unique regionally and internationally integrated research environment.



MATH+

►► MATH+ will build upon the success of the Berlin Mathematical School (BMS) and the Research Center MATHEON. With its agenda, MATH+ contributes in an essential way to the development of one of the great potentials of mathematics for tackling the growing complexity of science and society: to uncover hidden principles behind complex systems, thus effectively enabling deeper insights, improved predictions, and information-based decisions. Not only will MATH+ make a difference for industry and society, but it will also advance mathematics itself: novel fields of application pose a multitude of new challenges for mathematical abstraction, methods, and problem solving, thereby involving innovative approaches from the entire spectrum of mathematics.

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