Multidimensional Complex Analysis

Siberian Federal University

Degree or qualification is awarded: **PhD SibFU**

Language of study: **English**
Mode of study: **full-time**
Duration: **4 years**
Availability of free education: **no**
Price: **2400 Euro per year**

Programme webpage at the university website: http://www.sfu-kras.ru/en/PhD/complex-analysis

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Research in multidimensional complex analysis at Siberian Federal University is about several topics. The overarching theme is the interaction between complex analysis and other areas of mathematics and physics. For example, methods and techniques of functional analysis are applied to the study of PDEs in domains of complex space. Algebraic geometry plays an important role in the study of distribution of complex algebraic and analytic sets and its applications in physics. Alternatively, analytic methods are used in the theory of algebraic and hypergeometric functions, in the description of the structure of discriminantal sets. Other examples include the study of multidimensional difference equations, analytic continuation of functions and sets.

Specializations within this programme