

DESCRIPTION FOR A GENERAL PUBLIC

Mathematical Institutes of Jagiellonian and Wuhan Universities have very strong groups in Complex Analysis. They have been working on similar problems attacking them from different perspectives. The main aim of the project is to carry out joint research, which will result in scientific achievements, and rebuild the significance of Several Complex Variables.

Complex analysis of several variables is a classical branch of mathematics dealing with multidimensional analogs of holomorphic functions. Roughly speaking these are the complex-valued functions locally developable into convergent (complex) Taylor series. This field has connections with Physics, Algebraic and Differential Geometry, Operator theory, Approximation Theory, and many more. So far both Chinese and Polish mathematicians have contributed a lot to the development of multidimensional complex analysis.