Bern-Fribourg Graduate Seminar

a seminar for Master and PhD students

Thursday 2$^{\text{nd}}$ November, 2023: 17:15 - 18:00

Room 2.52, Perolles 08, Fribourg

Josua Schott

University of Bern

Complex Geometry - A Scratch on the Surface

Abstract

My aim with my talk is to give you a little insight into the world of complex geometry. I want to illustrate how beautiful but also mysterious mathematics can be by using the automorphism group of $\mathbb{C}^n$. Its study gained momentum in the late 1980s. In the one-dimensional case we can determine it explicitly, whereas in the higher-dimensional case it is so huge that we only partially understand it. In 1992, Andersén and Lempert were able to formalize and clarify the term "huge" - the starting point of a new theory.