
BERN-FRIBOURG GRADUATE SEMINAR

a seminar for Master and PhD students

Thursday 24th February, 2022: 17:15 - 18:00

Room B78, Exakte Wissenschaften, Bern

ELIA BUBANI

University of Bern

Pseudo-distances and hyperbolicity

Abstract

We introduce the Carathéodory and the Kobayashi pseudo-distances for a complex and connected manifold. In this setting a biholomorphic map becomes an isometry, that's why such pseudo-distances are often referred in the literature as invariant objects. In the remaining part, we will present a structure preserving theorem for certain domains in several complex variables and sketch a connection with a result in Gromov hyperbolic metric spaces.