BERN-FRIBOURG GRADUATE SEMINAR

a seminar for Master and PhD students

Thursday 29th February, 2024: 17:15 - 18:00 Room 2.52, Perolles 08, Fribourg

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Conformal modulus and quasiconformal maps

Abstract

In a work from 1928 Herbert Grötzsch used the conformal modulus to answer the following: is it possible to find conformal maps from a square to a rectangle which sends vertices on vertices?

In this talk we will start by seeing how to define such tool and how to provide a notion for the most near conformal maps. Then we will answer a slightly different question from the one formulated before and see some other applications to function theory.