

Seminarium geometrów

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Andrzej Weber (Uniwersytet Warszawski)

Four paths to elliptic genus

Abstract: According to Hirzebruch, every power series defines a characteristic class and the corresponding genus of complex manifolds. Some genera remain invariant under various types of modifications. I will demonstrate that the Borisov-Libgober elliptic genus serves as the universal invariant under three classes of flops. This way, we obtain three independent approaches to defining the elliptic genus.

streaming via ZOOM:

Meeting ID: 967 6507 7409

Meeting password: "GS" (two letters) followed by the Euler characteristic of the closed orientable surface of genus 89.