

KMPB Workshop: Holomorphic Differentials & RTG 2965 "From geometry to numbers" : Scientific opening

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Geometry of strata of differentials

The geometry of spaces of algebraic curves together with meromorphic k -forms of a fixed type is still quite mysterious. The multi-scale compactification of these strata of differentials allowed to compute some of their topological and algebraic invariants. In this talk we describe the ideas behind such computations and possible applications.