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

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Spaces of quadratic differentials versus spaces of stability conditions

Spaces of quadratic differentials are special cases of spaces of Bridgeland stability conditions. I will recall this surprising correspondence and discuss the following questions: 1) Does this tell us something new about quadratic differentials? 2) In what way do more general spaces of stability conditions behave like spaces of quadratic differentials? Based on arxiv:1409.8611, 1808.06364, 2104.06018, 2410.08028.