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Braids, Conformal Modulus and Entropy

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The conformal module of conjugacy classes of braids implicitly occurred already in a paper of Gorin and Lin in connection with their interest in the 13. Hilbert problem.

I will discuss a somewhat surprising relation of this conformal invariant to a popular dynamical braid invariant, the entropy.

I will give an application showing that the conformal module gives obstructions for certain smooth objects to be isotopic to the respective holomorphic objects.

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