

The logarithmic and Riesz minimal energy problem on sets of revolution — new progress

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Abstract: Finding the logarithmic and Riesz equilibrium measure on a set of revolution which is not the sphere proves to be challenging even in the simplest cases of a finite cylinder (revolving line segments) or a circular torus (revolving circle). We discuss theoretical and numerical results. This is joint work with Doug Hardin and Edward B. Saff.