

Title: Divergence of geometric equilibrium states at zero temperature

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Abstract. We exhibit a unimodal map whose geometric equilibrium states diverge as the temperature goes to zero. This map has a quadratic-like extension with an analogous divergence property. This divergence property turns out to be robust: In the space of unimodal (or quadratic-like) maps, there is a codimension 2 submanifold formed by maps with this property.