Selection of ground states for double-well type potentials

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Abstract

We study the zero-temperature limit of the Gibbs measures of a class of long-range potentials on a full shift of two symbols $
0,1
$. These potentials were introduced by Walters as a natural space for the transfer operator. In our case, they are locally constant, Lipschitz continuous or, more generally, of summable variation. We assume there exists exactly two ground states: the fixed points 0^∞ and 1^∞. $We fully characterize, in terms of the Peierls barri$

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