MR1123514 (92d:58138)  58F13
Khanin, K. M. [Khanin, Konstantin M.] (2-AOS-L)
★Thermodynamic formalism for critical circle mappings.

Summary: “We examine the properties of the ‘circle map’ that has recently been studied extensively in connection with the transition to chaos when two frequencies are present. By constructing a ‘thermodynamic formalism’ for the circle map, we discuss the properties near the critical point \(K = 1\) and show that the function \(g(x)\) (which characterizes the conjugacy of the map to a pure rotation) becomes singular for \(K = 1\).”

{For the collection containing this paper see MR1123511}