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Adding Machines and Endpoints.

Unimodal maps on the interval with the property that the function restricted to the ω -limit set of the critical point is topologically conjugate to an adding machine have been known to exist in the infinitely renormalizable family. Recently, Block, Keesling, and Misiurewicz discovered the existence of adding machine maps in the tent family. We describe the kneading sequence structure of these strange adding machines and the implications for the endpoint structure of the corresponding inverse limit space. (Received August 25, 2008)