

New Trends in Onedimensional Dynamics

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Title: Sequential Gibbs Measures and Factor Maps

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Abstract: We define the of *sequential Gibbs measures*, inspired on the classical notion of Gibbs measures and recent examples from the study of non-uniform hyperbolic dynamics. Extending previous results of Kempton-Pollicott and Ugalde-Chazottes, we show that the images of one block factor maps of a sequential Gibbs measure are also a sequential Gibbs measure, with the same Gibbs sequence. We obtain some estimates on the regularity of the potential of the image measure at almost every point such as Local stretched exponential decay, Local polynomial decay and Local summable variations.