

## **Sharp mixing rates via inducing w.r.t. general return times**

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For non-uniformly expanding maps inducing w.r.t. a general return time to Gibbs Markov maps, we provide sufficient conditions for obtaining sharp estimates for the correlation function. This applies to both, finite and infinite measure setting. The results are illustrated by non Markov interval maps with an indifferent fixed point. If time remains, I will talk about some open related questions and results from work in progress.

This is joint work with H. Bruin.