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Nathan Glatt-Holtz, Vincent Martinez and Geordie Richards*

(geordie.richards@usu.edu). *Ergodic and mixing properties of damped stochastic KdV.*

We will present some new ergodic and mixing theorems for damped stochastic KdV: uniqueness and higher regularity of the invariant measure, and exponential mixing for large damping. This is a joint work with Nathan Glatt-Holtz (Tulane) and Vincent Martinez (Hunter). (Received August 31, 2020)