## On the Lyapunov Exponent of Certain $SL(2,\mathbb{R})$ -Valued Cocycles II

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## Abstract

We study the positivity of the Lyapunov exponent for a smooth  $SL(2,\mathbb{R})$ -valued cocycle defined over a flow from a class which includes the Kronecker flows and others as well. We also discuss the quetsion of the density in the Hölder class of the set of  $SL(2,\mathbb{R})$ -cocycles exhibiting an exponential dichotomy when the base flow is of Kronecker type on a 2-torus.

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