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Focusing on the theory of shadowing of approximate trajectories (pseudotrajectories) of dynamical systems, this book surveys recent progress in establishing relations between shadowing and such ...Focusing on the theory of shadowing of approximate trajectories (pseudotrajectories) of dynamical systems, this book surveys recent progress in establishing relations between shadowing and such basic notions from the classical theory of structural stability as hyperbolicity and transversality.

ON SHADOWING AND HYPERBOLICITY FOR GEODESIC FLOWS ON SURFACES MARIO BESSA, JOÃO LOPES DIAS, AND MARIA JOANA TORRES~ Abstract. We prove that the geodesic flow on closed surfaces displays a hyperbolic set if the shadow-

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