On the dynamics of triangular map and its non-autonomous components

Deepanshu Dhawan*

Department of Mathematics, Indian Institute of Technology Jodhpur, N.H. 62, Nagaur Road, Karwar, Jodhpur 342030, Rajasthan, INDIA

dhawan.1@iitj.ac.in

In this talk, we will investigate the dynamics of the general triangular map. In particular, we will relate the dynamics of triangular map to the dynamics of its individual component systems. We establish the sufficient conditions for triangular map to exhibit various notions of mixing and sensitivities and provide examples to establish the necessity of the conditions imposed. We derive necessary and sufficient conditions to establish equicontinuity of a triangular system.

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