## Katok's flexibility paradigm and its realization in symbolic dynamics

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## Abstract

Katok launched the flexibility program which has been described in a nutshell as follows: "there should be no restrictions on the dynamical characteristics apart from a few obvious ones". This is a novel direction in dynamics, yet the core problems are clear and accessible to a rather broad community of mathematicians and this has made the program develop at a rapid pace. I will outline the flexibility program and showcase related results obtained within the last few years. Then I will present a striking application of the flexibility paradigm to the pressure function on compact symbolic systems. This is based on joint work with Anthony Quas.