1106-46-1601 **George A. Elliott*** (elliott@math.toronto.edu), Department of Mathematics, University of Toronto, Toronto, Ontario M5S 2E4, Canada, and **Zhuang Niu**. *Well behaved dynamics.*

In the context of the classification of amenable C*-algebras, an important criterion for an algebra to be well behaved is that it be stable under tensoring with the so-called Jiang-Su C*-algebra. (Toms and Winter have conjectured that this is equivalent to certain other properties, at least in the simple case.)

Generalizing earlier work, by many authors, notably by Toms and Winter, the authors have shown that a simple C*-algebra arising from a dynamical system consisting of a homeomorphism of an infinite metrizable compact space is well behaved in this sense (i.e., Jiang-Su stable) if the dynamical system has mean dimension zero.

(It is not known if this condition is necessary. The condition is known to hold in the uniquely ergodic case, or if there are only countably many ergodic invariant measures.) (Received September 14, 2014)