

“...a simple geometric feature is common to all the situations in which the existence of periodic orbits has been proven...”

-Alan Weinstein

“Taubes’s proof of the Weinstein conjecture is the culmination of a large body of work, both by Taubes and by others.”

-Michael Hutchings

The Trivial Notions Seminar
Proudly Announces

The Weinstein conjecture

A talk by
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Abstract

In 1978, Weinstein conjectured that if M is a compact manifold with a contact form then its Reeb vector flow has a periodic orbit. In 2007 Taubes proved the three dimensional case of this conjecture. We will talk about the motivation and the history of the Weinstein conjecture and explain some of the ideas and tools that are used in Taubes’s proof.

Friday, October 31st, at 1:00 pm
Science Center 110