

Rigidity phenomena in Contact Topology

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Thursday, January 26, 2012

008 Kemeny Hall, 4:00 pm
(Tea 3:30 pm 300 Kemeny Hall)

Abstract

Gromov's Non-Squeezing Theorem, the Arnold Conjecture and the discovery of the Hofer metric are usually considered as some of the fundamental results that gave birth to modern Symplectic Topology. In my talk I will give a personal introduction to Contact Topology, the odd-dimensional sister of Symplectic Topology, especially focusing on possible analogues of these symplectic rigidity results.