

MATEMATISKA INSTITUTIONEN
STOCKHOLMS UNIVERSITET
Avd. Matematik

SJÄLVSTÄNDIGT ARBETE I MATEMATIK

Torsdagen den 26 maj kl. 8:30-9:30 presenterar Jia Xu sitt arbete "Canonical perturbation theory" (15 högskolepoäng, grundnivå).

Handledare: Yishao Zhou

Plats: Sal 31, hus 5, Kräftriket

Sammanfattning: Canonical perturbation theory is used to solve the nearly integrable system without destroying the formation of Hamiltonian. This thesis includes some typical examples to analyze the dynamics through the Hamiltonian formalism, introduce methods to deal with the perturbative terms and discuss the stability of the Hamiltonian system.

Alla intresserade är välkomna!