

המחלקה למתמטיקה, בן-גוריון

קולוקוויום

ביום שלישי, 21 במרץ, 2017

בשעה 14:30 – 15:30

ב-101 Math

ההרצאה

corners and Steklov Sloshing,

תינתן על-ידי

Montréal) de (Université Polterovich Yosfi

תקציר: The sloshing problem is a type of eigenvalue problem describing a fluid in a domain with small oscillations. We will give an overview of some of the latest advances in the study of Steklov sloshing and asymptotics, highlighting the effects of corners, from naturally appearing in the context of sloshing. In particular, we will approach the proving of conjectures posed by Kuttler and Fox in 1983 on the asymptotics of sloshing frequencies. In two dimensions, the work of Levitin, M. with progress in joint work based on a talk by Sher. D. and Parnovski L.