

המחלקה למתמטיקה, בן-גוריון

קולוקוויום

ביום שלישי, 10 בנובמבר, 2015

בשעה 14:30 – 15:30

ב-101 Math

ההרצאה

fusion information of topology dimensional Low

תינתן על-ידי

(BGU) Moskovich Daniel

תקציר: It has been suggested that every good mathematical pattern ought to manifest itself in nature. This talk surveys the work of Carmi A.Y. on low-dimensional topological manifolds and networks. In particular, we discuss the fusion information theory of complex networks and its applications to sensor networks. We also discuss the information-theoretic aspects of various systems that turn out to be related to the fusion information theory. The quandle, a structure that admits a natural entropy of sets as an algebraic structure, is used as a toolbox for statistical inference. We discuss the relationship between topological diagrams and classical diagrams, and show that they are not identical but similar. Our work involves studying their algebraic structure. The talk is planned for the audience. mathematical general a to accessible