

Pazit HAIM KISLEV (Tel Aviv)

Title: *A counterexample to Viterbo's conjecture*

Abstract: Viterbo's volume-capacity conjecture, which asserts that the ball has the largest capacity among all convex bodies of the same volume, is an influential conjecture in the field of symplectic capacities. Since its introduction in 2000, it has initiated and contributed to numerous research directions. In this talk, I will present a counterexample to Viterbo's conjecture in every dimension. In particular, this implies that not all capacities coincide on the class of convex domains.