

Seminar Announcement

Speaker: Dr. Rajesh Sankaranarayanan

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Date: 4th June, 2015 (Thursday).

Time: 4pm - 5pm.

Venue: SETS Auditorium, ISI-Chennai.

Title: Fixed point theorems for commuting family of isometry mappings

Abstract:

Brodskii and Milman proved that there is a point in $C(K)$, the set of all Chebyshev center of K , which is fixed by every surjective isometry from K into K whenever K is a nonempty weakly compact convex subset having normal structure in a Banach space. Motivated by this result, Lim et al. raised the following question namely "does there exist a point in $C(K)$ which is fixed by every isometry from K into K ?". In fact, Lim et al. proved that "if K is a nonempty weakly compact convex subset of a uniformly convex Banach space, then the Chebyshev center of K is fixed by every isometry T from K into K ". In this talk, we discuss some partial answers to the aforementioned question.