



ÇANKAYA UNIVERSITY
FACULTY OF ARTS AND SCIENCES
DEPARTMENT OF MATHEMATICS AND COMPUTER SCIENCES

SEMINAR

Asymptotic behavior of operator nets on KB-spaces

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DATE : March 13, 2015

TIME : 13:20

PLACE : Çankaya University (Central Campus),
R213

Abstract

The concept of an attractor or constrictor was used by several mathematicians to characterize the asymptotic behavior of operators. In this talk we discuss that a positive LR-net on KB-spaces is mean ergodic if the LR-net has a weakly compact attractor. Moreover if the weakly compact attractor is an order interval, then a Markovian LR-net converges strongly to the finite dimensional fixed space. As a consequence we investigate also stability of LR-nets of positive operators and existence of lower bound functions on KB-spaces.

All interested are cordially invited.

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