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Mehmet Unver* (munver@ankara.edu.tr), Ankara University, Faculty of Science, Department of Mathematics, Tandogan, 06100 Ankara, Turkey. *Some Summability Properties of Sequences of Random Elements in Banach Spaces.*

In this talk, using Bochner integral and considering the compact subsets of a Banach space we introduce a new type of uniform integrability for sequences of random elements in a Banach space. Thus we generalize the concept of A-compactly uniform integrability. Moreover, we study the concepts of A-strong convergence and A-statistical convergence, which are some of the main concepts of the summability theory, for sequences of random elements and we investigate the relationship between these concepts by using this new type of uniform integrability. (Received September 09, 2016)