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CONVERGENCE THEOREMS FOR MAXIMUM WEIGHTED SUMS OF COORDINATEWISE ASYMPTOTICALLY ALMOST NEGATIVELY ASSOCIATED RANDOM VECTORS IN HILBERT SPACE

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Abstract. This paper studies some convergence theorems such as weak law of large numbers, complete f-moment convergence, complete moment convergence, complete convergence and strong law of large numbers for maximum weighted sums of coordinatewise asymptotically almost negatively associated random vectors in Hilbert spaces. The results improve or extend some corresponding results in the literature.

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