ON STRONG CONVERGENCE OF PRAMARTS IN BANACH SPACES

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Abstract: We present new versions of strong convergence results for Banach-space-valued pramarts based on various tightness conditions combined with uniform integrability conditions of Mazur type. They extend a result of Egghe [7] stating that every Banach-space-valued pramart with a Cesàro-mean convergent subsequence converges strongly almost surely. Similar results are obtained for pramarts with values in the dual of a separable Banach space.