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Oana Mocioalca* (oana@math.kent.edu), Department of Mathematical Sciences, PO Box 5190, Kent, OH 44242. *Ito formula for additive summable processes.*

We consider Banach-valued processes $X : \mathbb{R}_+ \times \Omega \rightarrow E$, with E continuously embedded into $L(F, G)$ for some Banach spaces F and G . We work with the class of *additive summable* processes, which are a generalization of *summable* processes, introduced by Dinculeanu and Brooks, which in turn generalize the notion of Banach-valued semimartingales. We develop a stochastic calculus, including an Ito formula, for these processes. (Received February 05, 2020)