A REPRESENTATION THEOREM FOR CONTINUOUS ADDITIVE FUNCTIONALS OF ZERO QUADRATIC VARIATION

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Abstract: We study continuous additive functional of zero quadratic variation of strong Markov continuous local martingales by means of stochastic calculus. We show that they admit a representation as a stochastic integral with respect to local time in the sense of Bouleau and Yor.

2000 AMS Mathematics Subject Classification: Primary: -; Secondary: -;
Key words and phrases: -

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