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Moderate deviations for martingales with bounded jumps. (English) Zbl 0854.60027
[Electron. Commun. Probab. 1, 11-17 \(1996\)](#).

Summary: We prove that the moderate deviation principle (MDP) holds for the trajectory of a locally square integrable martingale with bounded jumps as soon as its quadratic covariation, properly scaled, converges in probability at an exponential rate. A consequence of this MDP is the tightness of the method of bounded martingale differences in the regime of moderate deviations.

MSC:

[60F10](#) Large deviations
[60G44](#) Martingales with continuous parameter
[60G42](#) Martingales with discrete parameter

Cited in **18** Documents

Keywords:

[moderate deviations](#); [martingales](#); [bounded martingale differences](#)

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