

**“HITSUDA - BENEŠ” APPROACH TO EXPONENTIAL MARTINGALE
REVISITED. NEW RESULTS**

P. CHIGANSKY, F. KLEBANER, AND R. LIPTSER

ABSTRACT. As is well known, the stochastic exponential $\mathfrak{z}_t = \exp(M_t - \frac{1}{2}\langle M \rangle_t)$ of a continuous martingale M_t , $t \in [0, T]$, may or may not be a martingale, depending on the structure of M . V.Beneš proved the martingale property of \mathfrak{z}_t under certain explicitly checkable conditions. We suggest an alternative approach which extends the applicability of Beneš' results to more general settings.

DEPARTMENT OF STATISTICS, THE HEBREW UNIVERSITY, MOUNT SCOPUS, JERUSALEM 91905 ISRAEL
E-mail address: pchiga@mscc.huji.ac.il

SCHOOL OF MATHEMATICAL SCIENCES, MONASH UNIVERSITY, BUILDING 28, CLAYTON CAMPUS, WELLINGTON ROAD, VICTORIA 3800, AUSTRALIA
E-mail address: fima.klebaner@sci.monash.edu.au

DEPARTMENT OF ELECTRICAL ENGINEERING SYSTEMS, TEL AVIV UNIVERSITY, 69978 TEL AVIV, ISRAEL
E-mail address: liptser@eng.tau.ac.il; rliptser@gmail.com

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