### **Quantitative Finance > Risk Management**

# **Dynamic risk measures**

#### Beatrice Acciaio, Irina Penner

(Submitted on 19 Feb 2010)

This paper gives an overview of the theory of dynamic convex risk measures for random variables in discrete time setting. We summarize robust representation results of conditional convex risk measures, and we characterize various time consistency properties of dynamic risk measures in terms of acceptance sets, penalty functions, and by supermartingale properties of risk processes and penalty functions.

Comments:30 pagesSubjects:Risk Management (q-fin.RM); Probability (math.PR)MSC classes:60G35; 91B30; 91B16Cite as:arXiv:1002.3794v1 [q-fin.RM]

#### **Submission history**

From: Beatrice Acciaio [view email] [v1] Fri, 19 Feb 2010 17:46:02 GMT (23kb)

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