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On the Existence of an Arrow-Radner Equilibrium in the Case of Complete Markets. A Remark

Rose-Anne Dana, Monique Pontier

Abstract

We consider a continuous time pure exchange stochastic economy with a financial sector. We first give a proof of the "equivalence" of Arrow-Radner and Arrow-Debreu equilibria under the assumption that the gains associated to the securities form a local martingale generator. We then give a simple proof of existence of an Arrow-Debreu equilibrium in the separable utility case, under the assumption that either all agents have finite marginal utility at zero or aggregate endowment is uniformly bounded below.

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Institute for Operations Research and the Management Sciences

5521 Research Park Drive, Suite 200
Catonsville, MD 21228 USA

phone 1 443-757-3500

phone 2 800-4INFORMS (800-446-3676)

fax 443-757-3515

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