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Duality for homogeneous optimisation problems

Wednesday, August 29, 2018 4:50 PM (30 minutes)

This talk is concerned with stochastic optimal control problems with a certain homogeneity. For such problems, a novel dual problem is formulated. The results are applied to a stochastic volatility variant of the classical Merton problem. Another application of this duality is to the study the right-most particle of a branching Levy process.

Summary

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