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Time-Inconsistent Optimal Control Problems.

Classical optimal control problems for (stochastic) differential equations are time-consistent, by which we mean that an optimal control found for a given time moment will stay optimal later on. In reality, however, this might not be always true. This is mainly due to the time-preferences and risk-preferences of the decision makers. In the current talk, we will briefly present some results in the investigation of time-consistent equilibrium strategies for time-inconsistent problems. (Received August 01, 2017)