

Dealing with time-inconsistent stopping problems of diffusions

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Mots-clés :

We propose a general methodology to describe behaviors in optimal stopping problems without the time-consistent property (general discounting, rank dependent utility). We ground our theory on the classical intra-personal game formulation but in contrast with optimal control problems, we do not rely on a variational formulation of Nash equilibrium. We discuss existence, uniqueness and Pareto optimality of proposed solutions. This is a joint work with Yu-Jui Huang (Boulder) and Xunyu Zhou (Columbia).

Références