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Jianfeng Zhang* (jianfenz@usc.edu). *Dynamic Approaches for Some Time Inconsistent Problems.*

There are typically two strategies for time inconsistent problems: strategy of precommitment and strategy of consistent planning, which induce different value functions. The latter is a game approach where the player plays with infinitely many future selves, and most papers in continuous time models follow this approach. However, in situation where frequent "reneegotiation" is not allowed, the strategy of precommitment is more appropriate and it is the subject of this work. We shall discuss the source of time inconsistency and propose a few possible dynamic approaches for the problem. (Received September 15, 2015)