Satisficing Decisions in Multi-Agent Systems

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Abstract - The existence of an optimal control policy and the techniques for finding it are grounded fundamentally in a global perspective. Satisficing theory is an alternative approach that is compatible with the limited rationality associated with multi-agent systems. In this paper, this theory is extended at multi-agent systems by the introduction of the functions that generalize results given by M. A. Goodrich, W. C. Stirling, and R. Frost (1998) to provide a systematic procedure for the design of satisficing actions.
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