

The study of quantitative analysis for solving conflict problems among intelligent agents

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Abstract

In the environment of conflict, each agent represents an expert. In achieving a solution to a global problem, each agent has its own local goal to be fulfilled. As each agent is given control over its own actions, its own local goals and its own utility functions, it will naturally pursue its own interests. This situation of conflict must be resolved before a satisfactory solution to a problem can be presented. Therefore, this research describes how to represent each agent's view and expand the ideas of mathematic techniques to Conflict Agents and give a brief evaluation of each technique in its theory.

Keywords : Conflict resolution, DAI, agent.

1. Introduction

Rosenschein and Genesereth [4] noted that most DAI researchers accepted the situation of complete cooperation, known as the 'benevolent

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