A Language for the Execution of Graded BDI Agents

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Abstract

In this paper we present a calculus for the execution of Multi-context system with its corresponding semantics. This calculus is general enough to support different kinds of MCSs and particularly, we show how a graded BDI agent can be mapped to the language proposed. The graded BDI agent model is based on multi-context systems and is able to deal with graded mental attitudes. Taking advantage of the calculus presented we give operational semantics to this agent model.

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