Abstract

Distributed Objective ML:
A Simple Distributed Extension of Objective ML

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We describe an implementation of distributed objective ML system that supports trasmission of higher-order objects. By integrating distributed communication facilities within an objective extension of a higher-order programming language, the practical functional language widen its possibilities and applicabilities. The concept of the object migration and the method migration is the key of our distributed computation model. We design a programming language to realize this concept in functional framework. We believe that our implementation demonstrates a simple yet noble way to the mobile agent systems. Our current implementation is built on the top of Kali Scheme which is further built on top of Scheme 48.

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