

Haydar, M., Boroday, S., Petrenko, A. and H. Sahraoui. "Propositional Scopes in Linear Temporal Logic" dans les *Actes du 5^e Colloque International sur les Nouvelles Technologies de la Répartition (NOTERE 2005)*. Gatineau, Québec, Canada. 30 août - 1^{er} septembre 2005.

Abstract

In this paper, we address the problem of specifying a property in LTL over a subset of the states of a system under test, ignoring the rest of the states. A modern LTL semantics that applies for both finite and infinite traces is considered. We introduce specialized operators (syntax and semantic) that help specifying properties over propositional scopes, where each scope constitute a subset of states that satisfy a propositional logic formula. These operators assist the user in specifying the properties more easily and intuitively.