

MSc thesis defense presentation

Ioannis Kokkinis defends his MSc thesis

Date:	Monday, 06 Apr 2015
Time:	09:30-10:30
Location:	Univeristy of Athens, Department of Mathematics, University of Athens, room A11 Annotated Sequent
Thesis title:	Systems for Linear Temporal Logic <ul style="list-style-type: none">• Nikolaos S. Papaspyrou
Committee:	<ul style="list-style-type: none">• Panagiotis Rondogiannis• Efstathios Zachos

Thesis abstract

Annotated sequents provide an elegant approach for the design of deductive systems for temporal logics. Their proof theory, however, is notoriously difficult. Until recently it was not even clear how to syntactically show the admissibility of weakening. In this thesis we present a cut-free, finitary sequent system for linear temporal logic, based on annotated sequents. We present proofs for soundness and completeness and also present a purely syntactical proof for the admissibility of weakening in the aforementioned system. Furthermore, we investigate the role of cut in annotated sequent systems.

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