

Table of Contents

Invited Lectures

On sets, types, fixed points, and checkerboards	1
<i>Peter B. Andrews, Matthew Bishop</i>	

Fibred tableaux for multi-implication logics	16
<i>Marcello D'Agostino, Dov M. Gabbay</i>	

Contributed Papers

Interpolation for a sequent calculus of generalized quantifiers	36
<i>Natasha Alechina</i>	

Almost duplication-free tableau calculi for propositional Lax logics	48
<i>Alessandro Avellone, Mauro Ferrari</i>	

Combining many-valued and intuitionistic tableaux	65
<i>Matthias Baaz, Christian G. Fermüller</i>	

Cyclic connections	80
<i>Gérard Becher</i>	

Incremental theory reasoning methods for semantic tableaux	93
<i>Bernhard Beckert, Christian Pape</i>	

The disconnection method: a confluent integration of unification in the analytic framework	110
<i>Jean-Paul Billon</i>	

Sequent calculi for default and autoepistemic logics	127
<i>Piero A. Bonatti</i>	

Minimal model generation with positive unit hyper-resolution tableaux	143
<i>François Bry, Adnan Yahya</i>	

Distributed modal theorem proving with KE	160
<i>Jeremy Pitt, Jim Cunningham</i>	
A simple tableau system for the logic of elsewhere	177
<i>Stéphane Demri</i>	
Situational calculus, linear connection proofs and STRIPS-like planning: an experimental comparison	193
<i>Bertram Fronhöfer</i>	
Efficient loop-check for backward proof search in some non-classical propositional logics	210
<i>Alain Heuerding, Michael Seyfried, Heinrich Zimmermann</i>	
Strong normalization for all-style $LK^{!q}$	226
<i>Jean-Baptiste Joinet, Harold Schellinx, Lorenzo Tortora de Falco</i>	
T-string-unification: unifying prefixes in non-classical proof methods	244
<i>Jens Otten, Christoph Kreitz</i>	
A timing refinement of intuitionistic proofs and its application to the timing analysis of combinational circuits	261
<i>Michael Mendler</i>	
A tableau calculus for minimal model reasoning	278
<i>Ilkka Niemelä</i>	
On the intuitionistic force of classical search	295
<i>Eike Ritter, David Pym, Lincoln Wallen</i>	
Proof-search in intuitionistic logic based on constraint satisfaction	312
<i>Andrei Voronkov</i>	
Authors Index	330