

Available online at [www.sciencedirect.com](http://www.sciencedirect.com)

SCIENCE @ DIRECT®

Annals of Pure and Applied Logic 133 (2005) vii–viii

---

---

**ANNALS OF  
PURE AND  
APPLIED LOGIC**

---

---

[www.elsevier.com/locate/apal](http://www.elsevier.com/locate/apal)

## Contents

<i>W. Buchholz and R. Kahle</i> Preface	1
<i>S. Abramsky and R. Jagadeesan</i> A game semantics for generic polymorphism	3
<i>K. Aehlig and F. Joachimski</i> Continuous normalization for the lambda-calculus and Gödel's T	39
<i>L. Alberucci and G. Jäger</i> About cut elimination for logics of common knowledge	73
<i>B. Badban and J. van de Pol</i> Zero, successor and equality in BDDs	101
<i>U. Berger</i> Uniform Heyting arithmetic	125
<i>E. Börger</i> Abstract State Machines: a unifying view of models of computation and of system design frameworks	149
<i>Z. Ésik and H. Leiß</i> Algebraically complete semirings and Greibach normal form	173
<i>R. Matthes</i> Non-strictly positive fixed points for classical natural deduction	205
<i>G. Mints and T. Zhang</i> A proof of topological completeness for $S_4$ in $(0, 1)$	231
<i>K.-H. Niggel</i> Control structures in programs and computational complexity	247

<i>G.E. Ostrin and S.S. Wainer</i> Elementary arithmetic	275
<i>R.F. Stärk</i> Axioms for strict and lazy functional programs	293
<i>W. Sieg and C. Field</i> Automated search for Gödel's proofs	319
Author Index Volume 133	339