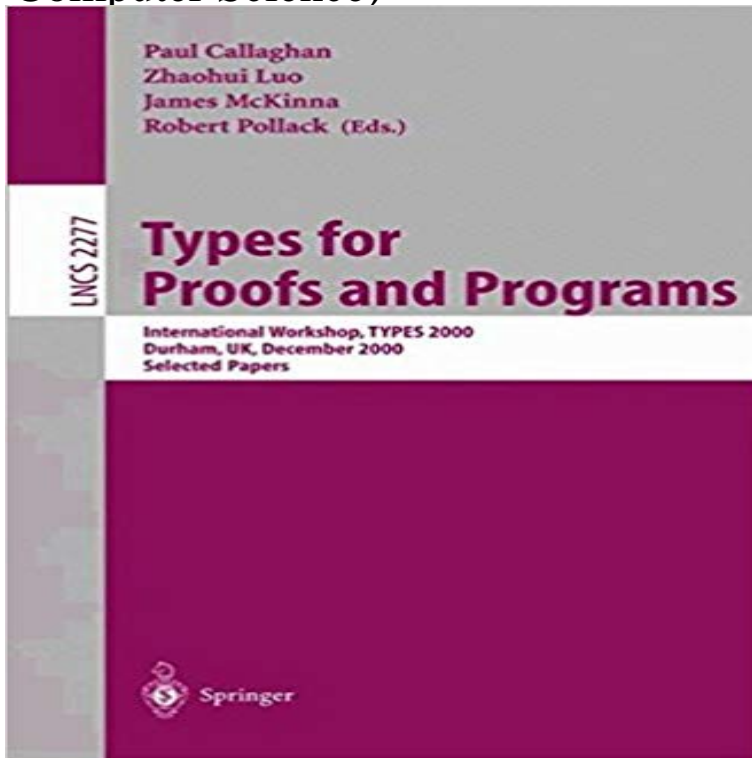


# Types for Proofs and Programs: International Workshop, TYPES 2000, Durham, UK, December 8-12, 2000. Selected Papers (Lecture Notes in Computer Science)



This book contains a selection of papers presented at the first annual workshop of the TYPES Working Group (Computer-Assisted Reasoning Based on Type Theory, EU IST project 29001), which was held 8th - 12th of

December, 2000 at the University of Durham, Durham, UK. It was attended by about 80 researchers. The workshop follows a series of meetings organised in 1993, 1994, 1995, 1996, 1998, and 1999 under the auspices of the Esprit

BRA6435 and the Esprit Working Group 21900 for the previous TYPES projects. Those proceedings were also published in the LNCS series, edited by Henk Barendregt and Tobias Nipkow (Vol. 806, 1993), by Peter Dybjer, Bengt

Nordström, and Jan Smith (Vol. 996, 1994), by Stefano Berardi and Mario Coppo (Vol. 1158, 1995), by Christine Paulin-Mohring and Eduardo Gimenez (Vol. 1512, 1996), by Thorsten Altenkirch, Wolfgang Naraschewski, and Bernhard

Reus (Vol. 1657, 1998), and by Thierry Coquand, Peter Dybjer, Bengt Nordström, and Jan Smith (Vol. 1956, 1999). The Esprit BRA6453 was itself a continuation of the former Esprit Action 3245, Logical Frameworks: Design,

Implementation, and Experiments. The articles from the annual workshops under that Action were edited by Gerard Huet and Gordon Plotkin in the books Logical Frameworks and Logical Environments, both published by Cambridge University Press. Acknowledgements We are very grateful to members of Durhams Computer Assisted Reasoning Group, especially Robert Kiefling, for helping to organise the workshop. Roberts contribution was key to the success of the meeting.

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