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Semantics of Data Types

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Proceedings

Edited by G. Kahn, D. B. MacQueen and G. Plotkin

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FOREWORD

The International Symposium on the Semantics of Data Types was organised in response to a growing interest in the subject among people from many backgrounds. On the one hand there is interest in programming languages with a wide variety of typing mechanisms to simultaneously achieve security, flexibility and other goals ; this has attracted language designers and workers on the under-lying semantical problems. On the other hand there is interest in the specification of data types and, more widely, in relating work done on automating and formalising mathematics (especially constructive mathematics) ; this has attracted workers in the algebraic school of data types and pure and applied logicians. The Symposium was intended to bring these somewhat disparate groups together with a view to promoting a common language and appreciation of the underlying problems and opportunities.

The Symposium was chaired by G. KAHN ; the programme committee was jointly chaired by D. MacQUEEN and G. PLOTKIN and also comprised :

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