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	Applied mathematics
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	Data structures (Computer science)
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	Programming languages (Electronic computers)
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Nota di contenuto	Formalizing informal requirements some aspects -- ViewPoint oriented software development: Methods and viewpoints in requirements engineering -- Using transformations to verify parallel programs -- Experiences with combining formalisms in VVSL -- A meta-environment for generating programming environments -- Introducing formal requirements into industry -- Where can I get gas round here? — an application of a design methodology for distributed systems -- Transformations of designs -- Norman's database modularised in COLD-K -- POLAR a picture-oriented language for abstract representations -- Inheritance in COLD -- A process specification

formalism based on static COLD -- Specification of the transit node in PSFd -- Design of a specification language by abstract syntax engineering -- From an ERAE requirements specification to a PLUSS algebraic specification: A case study.

Sommario/riassunto	The proper treatment and choice of the basic data structures is an important and complex part in the process of program construction. Algebraic methods provide techniques for data abstraction and the structured specification, validation and analysis of data structures. This volume originates from a workshop organized within ESPRIT Project 432 METEOR, An Integrated Formal Approach to Industrial Software Development, held in Mierlo, The Netherlands, September 1989. The volume includes five invited contributions based on workshop talks given by A. Finkelstein, P. Klint, C.A. Middelburg, E.-R. Olderog, and H. A. Partsch. Ten further papers by members of the METEOR team are based on talks given at the workshop. The workshop was a successor to an earlier one held in Passau, Germany, June 1987, the proceedings of which were published as Lecture Notes in Computer Science, Vol. 394.