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Nota di contenuto	Integration — What do we want from the theory? -- The Euclidean algorithm for Gaussian integers -- Multi polynomial remainder sequence and its application to linear diophantine equations -- Towards mechanical solution of the Kahan ellipse problem I -- Automatically determining symmetries of ordinary differential equations -- Algebraic computation of the statistics of the solution of some nonlinear stochastic differential equations -- Characterization of a linear differential system with a regular singularity -- The Bath Concurrent LISP machine -- The ecology of LISP or the case for the preservation of the environment -- The design of Maple: A compact, portable, and powerful computer algebra system -- LISP compilation viewed as provable semantics preserving program transformation -- Implementing REDUCE on a microcomputer -- A note on the complexity of constructing Gröbner-bases -- Gröbner bases, Gaussian elimination and resolution of systems of algebraic equations -- The computation of the Hilbert function -- An algorithm for constructing detaching bases in the ring of polynomials over a field -- On the problem of Beh? Edd?n 'Am?l? and the computation of height functions -- A procedure for determining algebraic integers of given norm -- Computation of integral solutions of a special type of systems of quadratic equations -- Factorisation of sparse polynomials -- Early

detection of true factors in univariate polynomial factorization -- On the complexity of finding short vectors in integer lattices -- Factoring polynomials over algebraic number fields -- The construction of a complete minimal set of contextual normal forms -- A knowledge-based approach to user-friendliness in symbolic computing -- Computer algebra and VLSI, prospects for cross fertilization -- Code optimization of multivariate polynomial schemes: A pragmatic approach.
