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eighty six contributions from the July/August 1996 conference present the state of the art with respect to analytical and design methods and illustrate practical applications where quantifying uncertainty and risk play an important role. Subjects include soil and site characterization, minimizing uncertainties, variability in soil and rock properties, tunneling, ground penetrating radar, data cone penetration, testing dams and stability, earth structures and foundations, pile supported structures, capacity predictions for full scale transmission line test foundations, lateral earth pressures on deep braced walls, seepage assessments, numerical modeling of deep well injection near a fault and seismic assessment and dynamics. Several case histories are presented. Annotation copyrighted by Book News Inc. Portland, OR.

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this comprehensive compendium provides a rigorous framework to tackle the daunting challenges of designing correct and efficient algorithms it gives a uniform approach to the design analysis optimization and verification of algorithms the volume also provides essential tools to understand algorithms and their associated data structures this useful reference text describes a way of thinking that eases the task of proving algorithm correctness working through a proof of correctness reveals an algorithm s subtleties in a way that a typical description does not algorithm analysis is presented using careful definitions that make the analyses mathematically rigorous

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