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Sommario/riassunto	Proceedings of the May 1997 symposium. MVL researchers from around the world present 37 papers in sessions on algebra, device technology, circuits, fuzzy logic, logic design, philosophical aspects, spectral techniques, testing and fault simulation, and applications. In addition, three invited addresses--recent developments in DNA-computing; many-valuedness and uncertainty; and ternary decision diagrams (survey)--further illustrate the diverse nature of multiple-valued research. Topics of the papers include finding composition trees for multiple-valued functions; hyperclones on a finite set; and multiple-valued logic as a programming language. No index. Annotation copyrighted by Book News, Inc., Portland, OR.