Backhouse / Crole / Gibbons

Algebraic and Coalgebraic Methods in the Mathematics of Program Construction

International Summer School and Workshop, Oxford, UK, April 10-14, 2000, Revised Lectures

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This textbook-like tutorial presents, besides an introduction, eight coherently written chapters by leading authorities on ordered sets and complete lattices, algebras and coalgebras, Galois connections and fixed point calculus, calculating functional programs, algebra of program termination, exercises in coalgebraic specification, algebraic methods for optimization problems, and temporal algebra.

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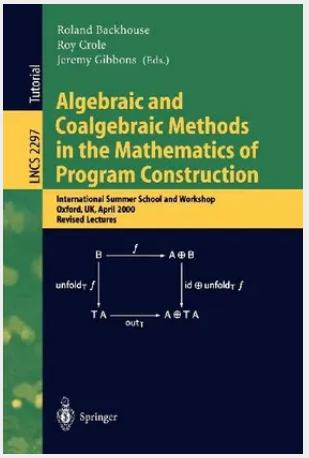

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