

# Time-Dependent Problems and Difference Methods (Pure and Applied Mathematics: A Wiley Series of Texts, Monographs and Tracts)

Bertil Gustafsson, Heinz-Otto Kreiss, Joseph Oliger



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**Time-Dependent Problems and Difference Methods (Pure and Applied Mathematics: A Wiley Series of Texts, Monographs and Tracts)** Bertil Gustafsson, Heinz-Otto Kreiss, Joseph Oliger

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The *Second Edition* presents hyperbolic equations in great detail as well as new coverage on second-order systems of wave equations including acoustic waves, elastic waves, and Einstein equations. Compared to first-order hyperbolic systems, initial-boundary value problems for such systems contain new properties that must be taken into account when analyzing stability. Featuring the latest material in partial differential equations with new theorems, examples, and illustrations,*Time-Dependent Problems and Difference Methods, Second Edition* also includes:

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