



# Finite Analytic Method in Flows and Heat Transfer

By R. A. Bernatz

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This book gives a systematic coverage of knowledge needed for numerical computation of fluid flows and heat transfer in five parts. Part One gives a brief history of computational machinery and a presentation of the governing equations for fluid flows and heat transfer. Part Two is devoted to the principles of the finite analytic method and its development for various types of equations. Part Three concentrates on methods of coordinate generation for applications on complex domains. Part Four presents various schemes for accomplishing the task in Part Three. Examples of a wide variety of problems are provided in Part Five.

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