

Na, T. Y.

Computational methods in engineering boundary value problems. (English) [Zbl 0456.76002](#)
Mathematics in Science and Engineering, Vol. 145. New York etc.: Academic Press (A Subsidiary of
Harcourt Brace Jovanovich, Publishers). X, 309 p. \$ 43.00 (1979).

For a scan of this review see the [web version](#).

MSC:

- 76-01 Introductory exposition (textbooks, tutorial papers, etc.) pertaining to fluid mechanics
- 74-01 Introductory exposition (textbooks, tutorial papers, etc.) pertaining to mechanics of deformable solids
- 65Z05 Applications to the sciences

Cited in 10 Reviews Cited in 189 Documents

Keywords:

linear and nonlinear; boundary value problems; initial value problems; method of chasing; heat conduction; magnetohydrodynamic Couette flow; shooting methods; finite-difference methods; method of transformation- direct transformation; Blasius solution; brachistochrone problem; longitudinal impact on nonlinear viscoplastic rods; Falkner-Skan equation