Hess, John L.
Higher order numerical solution of the integral equation for the two- dimensional Neumann problem. (English) ‖Zbl 0253.76011‖
Computer Methods appl. Mech. Engin. 2, 1-15 (1973).

For a scan of this review see the web version.

MSC:

76B10	Jets and cavities, cavitation, free-streamline theory, water-entry problems, airfoil and hydrofoil theory, sloshing
65R20	Numerical methods for integral equations

Cited in **23** Documents

Full Text: DOI

References:

[1] Hess, J.L.; Smith, A.M.O., Calculation of potential flow about arbitrary bodies, () · Zbl 0204.25602

[2] Hess, J.L., Numerical solution of the integral equation for the Neumann problem with application to aircraft and ships, (), (in preparation). Also available as

[3] Martensen, E., Berechnung der druckverteilung an gitterprofilen in ebener potentialströmung mit einer fredholmschen integralgleichung, Arch. rat. mech. and analysis, 3, Nr. 3, 235, (1959) · Zbl 0204.25603

[4] Jacob, K.W., Some programs for incompressible aerodynamic flow calculations, ()

[5] Mavriplis, F., Aerodynamic research on high lift systems, Canadian aeronatics and space journal, (1971)

[6] Davenport, F.J., Singularity solutions to general potential flow airfoil problems, Boeing aircraft company document no. D6-7202, (1963)

[7] Stevens, W.A.; Goradina, S.H.; Braden, J.A., Mathematical model for two-dimensional multi-component airfoils in viscous flow, Nasa CR-1843, (1971)

[8] Bhatley, I.C., Status report on high-lift research 1969, General dynamics, fort worth division, report ERR-FW-940, (1970)

[9] Argyris, J.H.; Argyris, J.H., The impact of the digital computer on engineering sciences, twelfth lanchester memorial lecture, The aeronautical journal of the royal aeronatical society 74, The aeronautical journal of the royal aeronatical society 74, Nos. 710, (1970)

[10] Hess, J.L., Analytic solutions for potential flow over a class of semi-infinite two-dimensional bodies having circular-arc noses, Mcdonnell Douglas corporation report no, J5602, (1972)