

¹⁵Rodden, W.P., "A Comparison of Methods Used in Interfering Lifting Surface Theory," supplement to the *Manual on Aeroelasticity*, AGARD-R-643, Feb. 1976.

¹⁶Albano, E. and Rodden, W.P., "A Doublet-Lattice Method for Calculating Lift Distributions on Oscillating Surfaces in Subsonic Flows," *AIAA Journal*, Vol. 7, Feb. 1969, pp. 279-285; Nov. 1969, p. 2192.

¹⁷Kálmán, T.P., Rodden, W.P., and Giesing, J.P., "Application of the Doublet-Lattice Method to Nonplanar Configurations in Subsonic Flow," *Journal of Aircraft*, Vol. 8, June 1971, pp. 406-413.

¹⁸Rodden, W.P., Giesing, J.P., and Kálmán, T.P., "Refinement of the Nonplanar Aspects of the Subsonic Doublet-Lattice Lifting Surface Method," *Journal of Aircraft*, Vol. 9, Jan. 1972, pp. 69-73.

¹⁹Lovell, P.M. Jr., "The Effect of Wing Bending Deflection on the Rolling Moment due to Sideslip," NACA TN 1541, Feb. 1948.

²⁰Rodden, W.P., "Dihedral Effect of a Flexible Wing," *Journal of Aircraft*, Vol. 2, Sept.-Oct., 1965, pp. 368-373.

²¹Rodden, W.P., "A Simplified Expression for the Dihedral Effect of a Flexible Wing," *Journal of the Aeronautical Sciences*, Vol. 22, Aug. 1955, pp. 579-580.

²²Seckel, E., *Stability and Control of Airplanes and Helicopters*, Academic Press, New York, 1964, pp. 245-247.

²³Garrick, I.E., "Propulsion of a Flapping and Oscillating Airfoil," NACA Report 567, 1936.

²⁴Kálmán, T.P., Giesing, J.P., and Rodden, W.P., "Reply by Authors to G.J. Hancock," *Journal of Aircraft*, Vol. 8, Aug. 1971, pp. 681-682.

²⁵Lan, C.E., "A Quasi-Vortex-Lattice Method in Thin Wing Theory," *Journal of Aircraft*, Vol. 11, Sept. 1974, pp. 518-527.

²⁶Lan, C.E., "Some Applications of the Quasi-Vortex-Lattice Method in Steady and Unsteady Aerodynamics," Paper No. 21, *Vortex Lattice Utilization*, NASA SP-405, 1976, pp. 385-406.

²⁷Lan, C.E., "Calculation of Lateral-Directional Stability Derivatives for Wing-Body Combinations with and without Jet-Interaction Effects," The University of Kansas Center for Research, Inc., Lawrence, Kansas, Tech. Rept. CRINC-FRL-281-1, Aug. 1977.

Editor's Comments Concerning "Remarks on Thin Airfoil Theory"

IN June 1977, Abraham Miller identified the error in Rajendra Bera's Engineering Note (*J. Aircraft*, Vol. 14, 1977, pp. 508-509). Dr. Bera published an Errata (*J. Aircraft*, Vol. 14, Nov. 1977, p. 1248). In January 1978, Mr. Miller corresponded with the *Journal of Aircraft* stating that the equation in the Errata was correct only for $n=1$ and $n=2$. Subsequently, a second Errata by Dr. Bera was published (*J. Aircraft*, Vol. 15, May 1978, p. 320). Equation (5) of the second Errata corresponds to an equation stated in Mr. Miller's letter of June 1977. Hence, Mr. Miller should have first claim to the results.

Allen E. Fuhs

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