Errata

Computation of Crossing Shock/ Turbulent Boundary Layer Interaction at Mach 8.3

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DUE to a production error, Figure 10 was improperly labeled. We regret this error. The corrected figure appears here:
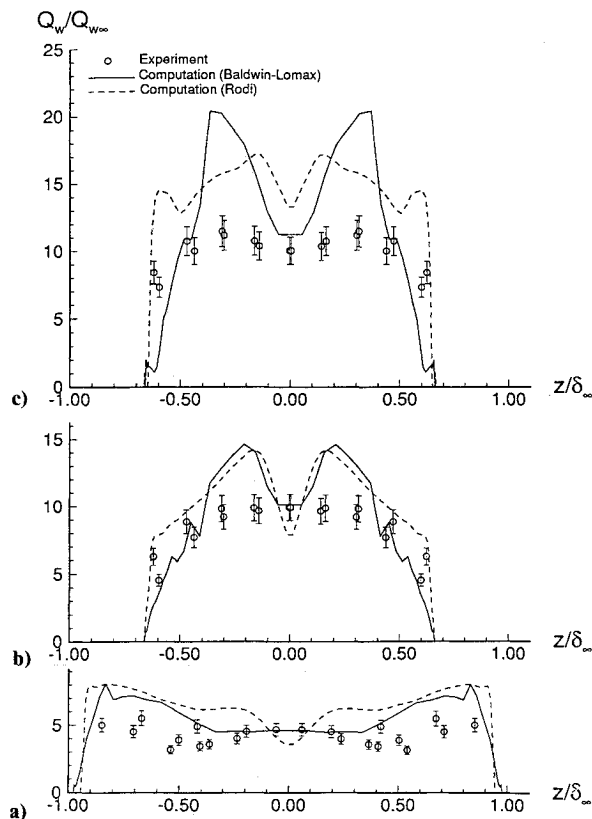

Fig. 10 Transverse profiles of flat plate surface heat transfer at streamwise locations of a) $x/\delta = 5.07$, b) $x/\delta_\infty = 6.4$, and c) $x/\delta_\infty = 7.78$.

Skin Friction and Velocity Profile Family for Compressible Turbulent Boundary Layers

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DURING production of this paper, several errors were inadvertently introduced. We regret these errors.

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The sentence following Eq. (8) should begin: "Here, the w-function is an assumed wake profile for which we adopted the suggested formula by Coles,[3] $w(\eta) = 2 \sin^2(\eta\pi/2); \ldots$"

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Equation (13) should read:

$$y_c^+ = \int \left(\frac{\rho}{\rho_w}\right)^{1/2} dy^+$$

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References 14 and 15 were omitted. They are:

[14]Albertson, C. W., and Ash, R. L., "Compressible Equilibrium Turbulent Boundary Layers at Nonadiabatic Wall Conditions," *AIAA Journal*, Vol. 29, No. 10, 1991, pp. 1573–1580.
[15]Kussoy, M. I., and Horstman, K. C., "Documentation of Two- and Three-Dimensional Shock-Wave Turbulent-Boundary-Layer Interaction Flows at Mach 8.2," NASA TM-103838, 1991.