

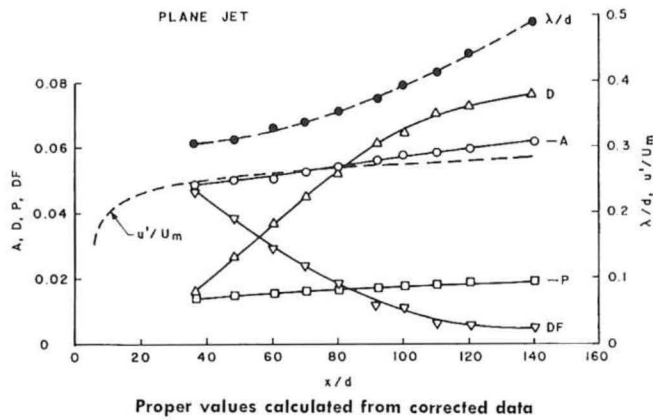
# ERRATUM

(GUNNAR HESKESTAD, "Hot-Wire Measurements in a Plane Turbulent Jet," published in the December, 1965, issue of the JOURNAL OF APPLIED MECHANICS, pp. 721-734.)

During a recent examination of Fig. 33 and Fig. 34 of my paper, I noted an inconsistency. The former figure shows the axial distribution of the turbulent energy balance on the centerline of the jet, and the latter shows the lateral distribution of the energy balance at the fixed axial location  $x/d = 100$ . The centerline ( $\eta = 0$ ) values of the various energy terms in Fig. 34 should of course agree with the values of respective energy terms in Fig. 33 at  $x/d = 100$ . They do not.

On examination of the records it turned out that the energy terms and the Taylor microscale plotted in Fig. 33 are remnants of some improperly processed raw data. Proper values calculated from the corrected (for geometric nonlinearity of the hot-wire) data reported in the paper are presented in the figure below. It is assumed that  $\overline{v^2/u^2}$ ,  $\overline{w^2/u^2}$ , and the correction factor for geometric nonlinearity of the hot-wire remain invariant over the  $x/d$ -range plotted.

I regret any misunderstanding caused by the mistake.



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