

# Errata

## Time-Averaged, Three-Dimensional Flow in a Rectangular Sudden Expansion

Jean R. Hertzberg\*

University of Colorado, Boulder, Colorado 80309  
and

Chih Ming Ho†

University of California, Los Angeles,  
Los Angeles, California 90024

[AIAA Journal 30(10), pp. 2420-2425 (1992)]

During pasteup of this article, Refs. 10-28 were inadvertently deleted. We regret this error.

### References

- <sup>10</sup>Gutmark, E., Schadow, K. C., and Wilson K. J., "Noncircular Jet Dynamics in Supersonic Combustion," *Journal of Propulsion and Power*, Vol. 5, No. 5, 1989, pp. 529-533.
- <sup>11</sup>Durst, F., Melling, A., and Whitelaw, J. H., *Principles and Practice of Laser-Doppler Anemometry*, 2nd ed., Academic, London, 1981, pp. 271-273.
- <sup>12</sup>Stevenson, W. H., Thompson, H. D., and Roesler, T. C., "Direct Measurement of Laser Velocimeter Bias Errors in a Turbulent Flow," *AIAA Journal*, Vol. 20, No. 12, 1986, pp. 1720-1723.
- <sup>13</sup>Adams, E. W., Johnston, J. P., and Eaton, J. K., "Experiments on the Structure of Turbulent Reattaching Flow," Thermosciences Division, Department of Mechanical Engineering, Stanford Univ., MD-43, Stanford, CA, May 1984.
- <sup>14</sup>Eaton, J. K., and Johnston, J. P., "A Review of Research on Subsonic Turbulent Flow Reattachment," *AIAA Journal*, Vol. 19, No. 9, 1981, pp. 1093-1100.
- <sup>15</sup>Back, L. H., and Roschke, E. J., "Shear Layer Flow Regimes, Wave Instabilities and Reattachment Lengths Downstream of an Abrupt Circular Channel Expansion," *Journal of Applied Mechanics*, Vol. 39, 1972, pp. 667-681.

- <sup>16</sup>Eaton, J. K., and Johnston, J. P., "Low Frequency Unsteadiness of a Reattaching Turbulent Shear Layer," *Turbulent Shear Flows 3*, Springer-Verlag, New York, 1982, pp. 162-169.
- <sup>17</sup>Drive, D. M., Seegmiller, H. L., and Marvin, J. G., "Time Dependent Behavior of a Reattaching Shear Layer," *AIAA Journal*, Vol. 25, No. 7, 1987, pp. 914-919.
- <sup>18</sup>Cherdron, W., Durst, F., and Whitelaw, J. H., "Asymmetric Flows and Instabilities in Symmetric Ducts with Sudden Expansions," *Journal of Fluid Mechanics*, Vol. 84, 1978, pp. 13-31.
- <sup>19</sup>Moon, L. F., and Rudinger, G., "Velocity Distribution in an Abruptly Expanding Circular Duct," *Journal of Fluids Engineering*, Vol. 99, March 1977, pp. 226-230.
- <sup>20</sup>Stevenson, W. H., Thompson, H. D., and Craig, R. R., "Laser Velocimeter Measurements in Highly Turbulent Recirculating Flows," *Journal of Fluids Engineering*, Vol. 106, June 1984, pp. 173-180.
- <sup>21</sup>Nakao, S., "Turbulent Flow in Square Ducts After an Expansion," *AIAA Journal*, Vol. 24, No. 6, 1986, pp. 979-982.
- <sup>22</sup>Holdeman, J. D., and Foss, J. F., "The Initiation, Development, and Decay of the Secondary Flow in a Bounded Jet," *Journal of Fluids Engineering*, Vol. 97, Sept. 1975, pp. 342-344.
- <sup>23</sup>Shimizu, A., Ishii, H., and Wade, T., "A Numerical Analysis of Vortex Growth in a Bounded Rectangular Jet," *Computers and Fluids*, Vol. 14, No. 4, 1986, pp. 327-359.
- <sup>24</sup>Armaly, F. B., Durst, F., Periera, J. C. F., and Schönung, B., "Experimental and Theoretical Investigation of Backward-Facing Step Flow," *Journal of Fluid Mechanics*, Vol. 127, 1983, pp. 473-496.
- <sup>25</sup>Morrison, G. L., Tatterson, G. B., and Long, M. W., "Three-Dimensional Laser Velocimeter Investigation of Turbulent, Incompressible Flow in an Axisymmetric Sudden Expansion," *Journal of Propulsion*, Vol. 4, No. 6, 1988, pp. 533-540.
- <sup>26</sup>Thompson, H. D., Stevenon, W. H., and Durrett, R. P., "Laser Velocimeter Measurements and Analysis in Turbulent Flows with Combustion, Part III," Aero Propulsion Lab., AFWAL-TR-82-2076, Part III, AD-A146206, Wright-Patterson Air Force Base, OH, July 1984.
- <sup>27</sup>Chandrsuda, C., and Bradshaw, P., "Turbulence Structure of a Reattaching Mixing Layer," *Journal of Fluid Mechanics*, Vol. 110, 1981, pp. 171-194.
- <sup>28</sup>Schadow, K. C., Gutmark, E., Parr, D.M., and Wilson, K. J., "Selective Control of Flow Coherence in Triangular Jets," *Experiments in Fluids*, Vol. 6, 1988, 129-135.