

# ERRATUM

The publishers would like to apologize for the error that occurred in the journal issue Vol. 13, No. 1, 2003.

The paper entitled “CFD Fire Simulation Using Mixture Fraction Combustion and Finite Volume Radiative Heat Transfer” by Floyd, J.E., McGrattan, K.B., Hostikka, S. and Baum, H.R., was published with errors in equations on pp. 16 and 17.

Equations (5)–(10) involve the dot product, not the cross product, and should read:

$$\rho \frac{DZ}{Dt} = \nabla \cdot \rho D \nabla Z \quad (5)$$

$$\rho \frac{DY_{O_2}}{Dt} = \nabla \cdot \rho D \nabla Y_{O_2} + \dot{m}'''_{O_2} \quad (6)$$

$$\rho \frac{dY_{O_2}}{dZ} \frac{DZ}{Dt} = \frac{dY_{O_2}}{dZ} \nabla \cdot \rho D \nabla Z \quad (7)$$

$$\rho \frac{dY_{O_2}}{dZ} \frac{DZ}{Dt} = \nabla \cdot \rho D \frac{dY_{O_2}}{dZ} \nabla Z + \dot{m}'''_{O_2} \quad (8)$$

$$-\dot{m}'''_{O_2} = \nabla \cdot \rho D \frac{dY_{O_2}}{dZ} \nabla Z - \frac{dY_{O_2}}{dZ} \nabla \cdot \rho D \nabla Z \quad (9)$$

$$\dot{m}''_{O_2} = - \frac{dY_{O_2}}{dZ} \rho D \nabla Z \cdot \vec{n} \Big|_{Z=Z_F} \quad (10)$$