Journal of Fire Protection Engineering

Errata
Volume I (1989)

"Fundamentals of Enclosure Fire 'Zone' Models," James Quintiere, *Journal of Fire Protection Engineering*, 1 (**3**), 1989, pp 99-119.

Page 100, Equation 2 should read:

$$v = \frac{1}{\rho} \sum_{i=1}^{N} v_i \, \rho i$$

Page 103, Equation 23 should read:

$$= -\left\{ \dot{\omega}_F''' \left(h_F^\circ + \frac{1}{r} h_o^\circ - \left(\frac{r+1}{r} \right) h_p^\circ \right) \right\}$$

$$= \left[-\dot{\omega} \, F''' \right] \Delta H$$

Page 111, Equation 45 should read:

$$\dot{m}_\infty = \rho_\infty A_o \, C \sqrt{\frac{2(p - p_\infty)}{\rho_\infty}}$$

Let $p - p_\infty = \Delta p$ and substitute Equation 45 into Equation 44

$$\frac{AH}{k-1} \frac{\mathrm{d}(\Delta p)}{\mathrm{d}t} + W_o H_o C \left(\frac{k}{k-1} \right)$$

$$\sqrt{\frac{2}{\rho_\infty}} \sqrt{\Delta p} \, (\Delta p + p_\infty) = \dot{Q}_a$$

$$\frac{AH}{(k-1)} \frac{p_\infty}{\dot{Q}_a} \frac{\mathrm{d}p^*}{\mathrm{d}t} + \frac{C \, W_o H_o}{Q_a} \left(\frac{k}{k-1} \right)$$

$$\sqrt{\frac{2}{\rho_\infty}} \, p_\infty \sqrt{p_\infty} \sqrt{p^*} \, (p^* + 1) = 1$$

Page 117, Equation 69 should read:

$$\frac{m}{\dot{m}_e} \frac{\mathrm{d}Z}{\mathrm{d}t} + (1 + Y_{0,e} r \phi) \, Z - Y_{o,e} r \phi = 0$$