CORRIGENDUM

S. BENEDEK, "Scaling Laws of Transient Heat and Mass Flow for Modeling the Loss-of-Coolant Accident," *Nucl. Technol.*, **57**, 255 (May 1982).

The following galley corrections were not received in time to meet the May publication deadline for this paper.

1. On p. 256, first full paragraph, line 4, after the comma, "neglecting the pressure drop due to gravity." should read "for a separated flow at thermal equilibrium.".

2. On p. 256, first full paragraph, line 5, "Identical ϑ'/ϑ'' ratios" should read "Identical ρ'/ρ'' ratios".

3. In Eq. (5), after "Δp", insert "$-\ \rho\cdot$". The corrected equation should read

Momentum equation:

$$\frac{X}{F}\cdot\frac{dG}{dt}=\Delta p-\rho\cdot g\cdot X\cdot\sin\Theta-\frac{K\cdot RM}{\rho}\cdot G\cdot|G|\ ; \quad (5)$$

4. In Eq. (10), "$f(\bar{p})$" should read "$f(\bar{p},h^x)$". The corrected equation should read

$$\bar{\vartheta}_f=f(\bar{p},h^x)\ . \quad (10)$$

5. On p. 258, item 2, "$f(\bar{p})$" should read "$f(\bar{p},h^x)$".

6. In Eq. (19), after "$\left(\frac{D_W}{D_F}\right)^{0.2}$", insert "$\cdot\left(\frac{D_F}{D_W}\right)$". The corrected equation should read

$$\frac{R_{CW}}{R_{CF}}=\left(\frac{G_{F0}}{G_{W0}}\right)^{0.8}\cdot\left(\frac{F_W}{F_F}\right)^{0.8}\cdot\left(\frac{D_W}{D_F}\right)^{0.2}\cdot\left(\frac{D_F}{D_W}\right)\times\left(\frac{\lambda_F''}{\lambda_W''}\right)^{0.6}\cdot\left(\frac{C_{pF}''\cdot\eta_W''}{C_{pW}''\cdot\eta_F''}\right)^{0.4}\ . \quad (19)$$

7. On p. 260, in the text after Eq. (20), line 3, and for the next use, "2.75" should be "6.15" and "0.6" should be "0.27"; line 4, "2.75." should be "6.15."

8. On p. 261, line 2, and for the next use, "18" should be "40"; line 3, "0.84." should be "1.84."

9. In Eq. (21), "$\frac{\rho_{01}}{\rho_{02}}$" should be "$\frac{r_{02}}{r_{01}}$"; also, "$\frac{p_{02}}{p_{01}}$" should be "$\frac{r_{C01}}{r_{C02}}$". The corrected equation should read

$$\frac{F_1}{F_2}\cong\frac{r_{02}}{r_{01}}\cdot\left(\frac{\lambda_1''}{\lambda_2''}\right)^{0.6}\cdot\left(\frac{C_{p1}''\cdot\eta_2''}{C_{p2}''\cdot\eta_1''}\right)^{0.4}\times\frac{r_{C01}}{r_{C02}}\cdot\frac{\vartheta_{C01}}{\vartheta_{C02}}\cdot\left(\frac{G_{02}}{G_{01}}\right)^{0.2}\ , \quad (21)$$

10. On p. 261, right column, line 1, "$\lesssim$" should read "$\gtrsim$".

11. In Eq. (25), after "constant", it should read "$\cdot\frac{G_{W0}}{G_{N0}}\cdot\frac{F_N}{F_W}\cdot\frac{r_{C0W}}{r_{C0N}}$". The corrected equation should read

$$\frac{R_{CN}}{R_{CW}}\cong\text{constant}\cdot\frac{G_{W0}}{G_{N0}}\cdot\frac{F_N}{F_W}\cdot\frac{r_{C0W}}{r_{C0N}}\ . \quad (25)$$