References

- 1) Gaskell, R. E., Trans. ASME **72**, 334–336 (1950).
- 2) McKelvey, J. M., Polymer Processing 211–227 (New York 1962).
- 3) Brazinsky, I., H. F. Cosway, C. F. Valle, R. C. Jones, and V. Story, J. Appl. Polymer Sci. **14**, 2771–2784 (1970).
- 4) Alston, W. W. and K. N. Astill, J. Appl. Polymer Sci. **17**, 3157–3174 (1973).

Authors' addresses:

Dipl. Ing. G. Ehrmann
Institut für Kunststofftechnologie
7000 Stuttgart 1
Böblinger Str. 70
Dr. J. Vlachopoulos
Dept. of Chemical Engineering
McMaster University
Hamilton, Ontario L8S 4L7 (Canada)

Errata to

Helical flow of molten polymers in a cylindrical annulus

Horst H. Winter

Rheol. Acta **12**, 1–12 (1973)

(Received August 20, 1974)

Some of the equations have not been stated correctly. They should be

$$0 = \frac{\partial}{\partial r} \left(r^3 \eta \frac{\partial}{\partial r} \frac{v_\theta}{r} \right), \quad [7]$$

$$0 = -\frac{\partial p}{\partial z} + \frac{1}{r} \frac{\partial}{\partial r} \left(r \eta \frac{\partial v_z}{\partial r} \right). \quad [8]$$

The dimensionless form of the equations becomes

$$0 = \frac{1}{R} \frac{\partial}{\partial R} (R V_R) + \frac{r_{wa}}{h Pe} \frac{\partial V_z}{\partial Z}, \quad [27]$$

$$0 = \frac{\partial}{\partial R} \left(R^3 \eta / \eta_0 \frac{\partial}{\partial R} \frac{V_\theta}{R} \right), \quad [28]$$

$$0 = \frac{-P'}{(1-\kappa)^2} + \frac{1}{R} \frac{\partial}{\partial R} \left(R \eta / \eta_0 \frac{\partial V_z}{\partial R} \right). \quad [29]$$

The following correct difference equations have actually been used for calculating the results shown in Chapter 6:

$$0 = (R_{n,i})^3 \left(\frac{\eta}{\eta_0} \right)_{n,i} \left[\frac{V_{\theta,i+1}}{R_{i+1}} - \frac{V_{\theta,i}}{R_i} \right] - (R_{s,i})^3 \left(\frac{\eta}{\eta_0} \right)_{s,i} \left[\frac{V_{\theta,i}}{R_i} - \frac{V_{\theta,i-1}}{R_{i-1}} \right], \quad [36]$$

$$0 = \frac{-P'(\Delta R)^2 R_i}{(1-\kappa)^2} + R_{n,i}(\eta/\eta_0)_{n,i}(V_{z,i+1} - V_{z,i}) - R_{s,i}(\eta/\eta_0)_{s,i}(V_{z,i} - V_{z,i-1}). \quad [37]$$

Author's address:

Horst H. Winter
Institut für Kunststofftechnologie
der Universität Stuttgart
7 Stuttgart 1
Böblinger Straße 70