Int. J. Solids Structures, 1972, Vol. 8, p. 997. Pergamon Press. Printed in Great Britain

ERRATA

PETER J. CHEN, One-dimensional shock waves in inhomogeneous elastic materials. *Int. J. Solids Struct.* **8**, 409–414 (1972).

In equation (3.3)

$$2\rho_R U\frac{dU}{dt} = -U^2\frac{d\rho_R}{dt}+\frac{(E^- -\rho_R U^2)}{[\varepsilon]}\frac{d[\varepsilon]}{dt}+\frac{[E]}{[\varepsilon]}\frac{d\varepsilon^+}{dt}-\frac{U}{[\varepsilon]}\left[\frac{\partial\hat{T}}{\partial X}\right]$$

should read

$$2\rho_R U\frac{dU}{dt} = -U^2\frac{d\rho_R}{dt}+\frac{(E^- -\rho_R U^2)}{[\varepsilon]}\frac{d[\varepsilon]}{dt}+\frac{[E]}{[\varepsilon]}\frac{d\varepsilon^+}{dt}+\frac{U}{[\varepsilon]}\left[\frac{\partial\hat{T}}{\partial X}\right].$$

In equation (3.6)

$$\lambda = -\frac{1}{2(E^- -\rho_R U^2)}\left\{[E]\left\{\frac{\dot{\varepsilon}^+}{U}+3\left(\frac{\partial\varepsilon}{\partial X}\right)^+\right\}-\left[\frac{\partial\hat{T}}{\partial X}\right]+[\varepsilon]U\frac{d\rho_R}{dt}\right\}$$

should read

$$\lambda = -\frac{1}{2(E^- -\rho_R U^2)}\left\{[E]\left\{\frac{\dot{\varepsilon}^+}{U}+3\left(\frac{\partial\varepsilon}{\partial X}\right)^+\right\}+3\left[\frac{\partial\hat{T}}{\partial X}\right]-[\varepsilon]U\frac{d\rho_R}{dt}\right\}.$$