

## Corrigendum

*Wave Propagation and Electromagnetic Shock  
Wave Formation in Transmission Lines.*

by A. Jeffrey, *J. Math. and Mech.*, **15** (1966), 1–13.

The starting point of the second paragraph of Section 4 should, of course, be equations (3.3) and (3.4) which are valid for  $C = C(v)$ , and not equations (3.5) and (3.6) as stated. Equations (4.1a, b) then become

$$\sqrt{\frac{L}{C}} \frac{di}{dt} \pm \frac{dv}{dt} = 0 \quad \text{along } C^{(\pm)}$$

and equations (4.2a, b) become

$$\sqrt{\frac{L}{C}} i_\alpha + v_\alpha = 0 \quad \text{along } C^{(+)}$$

and

$$\sqrt{\frac{L}{C}} i_\beta - v_\beta = 0 \quad \text{along } C^{(-)}.$$

The Riemann invariants  $r(\beta)$  and  $s(\alpha)$  corresponding to equations (4.3a, b) are then defined by

$$i + \int \sqrt{\frac{C}{L}} dv = r(\beta) \quad \text{and} \quad i - \int \sqrt{\frac{C}{L}} dv = s(\alpha).$$

Finally, equations (4.4a, b) are replaced by

$$\int \sqrt{\frac{C}{L}} dv = \frac{1}{2}(r(\beta) - s_0) \quad \text{and} \quad i = \frac{1}{2}(r(\beta) + s_0)$$

and, thereafter, the argument proceeds as before.