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Erratum to the paper "Structure of normal shock waves in a gas-particle mixture", by R. S. Srivastava and J. P. Sharma, Z. angew. Math. Phys. 33, November 1982, pp. 819–825.

It is pointed out here that the conclusions drawn from the gas temperature discussion on p. 822 were erroneous due to a computational error in the gas temperature calculations and so also the curves given for the gas temperature in Figs. 3 and 4 (p. 824). The corrected version is as follows:

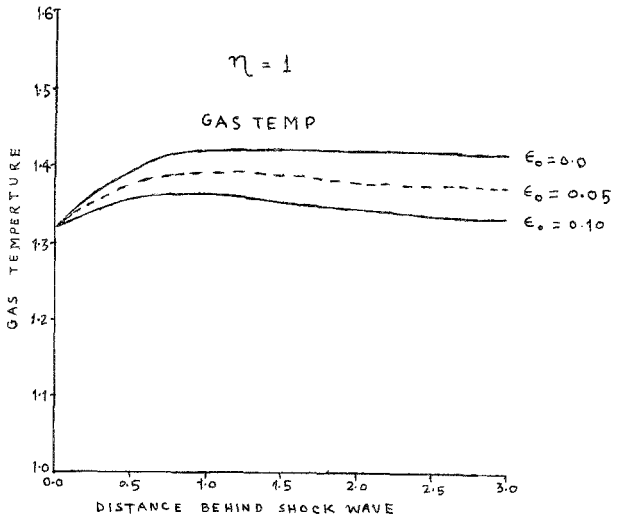

Figure 3 A

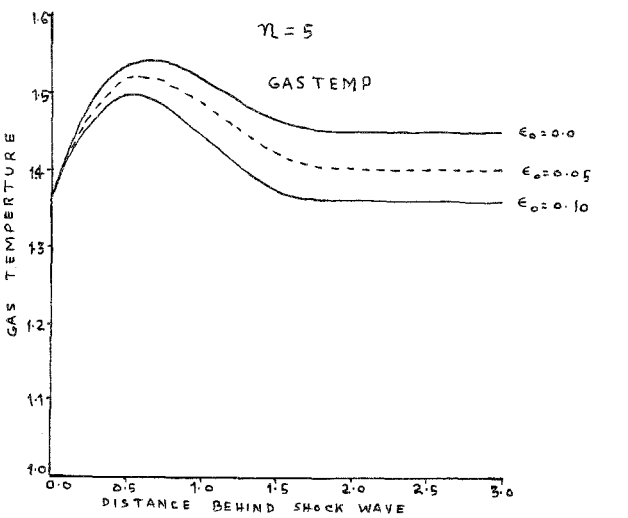

Figure 4 A

Gas temperature: For $\eta = 1$, the gas temperature shows a monotonic increase for all the three values of ε_0 viz., $\varepsilon_0 = 0$, 0.05, and 0.1. However, for $\eta = 5$, the gas temperature increases initially, attains a maximum and then decreases to its equilibrium value for $\varepsilon_0 = 0$, 0.05 and 0.1.

The gas temperature graphs are shown in Figs. 3 A ($\eta = 1$) and 4 A ($\eta = 5$).