

## Erratum

“Dynamic response and frequency dependent local field corrections for an electron gas system”, by Chayanika Shah and G. Mukhopadhyay, *Pramana (Journal of Physics)*, **26**, pp. 441–458, May 1986.

We wish to rectify a few errors in our calculations.

The right hand sides of the equations (44) and (45) should be multiplied by a factor 0.5; thus the number 0.285 in (44) should be replaced by 0.143 and 0.276 in (45) by 0.138. Accordingly the number 0.6797 in table 1 should be replaced by 0.3898.

A negative sign was missed in evaluating  $\gamma$  from the equation (41), so that the numbers in the equations (46) and (47), and table 1 refer now to the magnitudes. However, the negative damping being unphysical, these numbers are rendered meaningless. This is a defect of the expression (36) on which the calculations were based. We have now considered the systematically derived expression (35) and find that it leads to the correct sign and magnitude of damping; the details will be reported later.