

*Corrigendum***A density-functional calculation of dynamic dipole polarizabilities of noble gas atoms**S. K. Ghosh¹ and B. M. Deb²¹Heavy Water Division, Bhabha Atomic Research Center, Bombay 400085, India²Department of Chemistry, Panjab University, Chandigarh 160014, IndiaTheoret. Chim. Acta (Berl.) **62**, 209–217 (1983)

The $\Delta\bar{v}_{\text{eff}}^1$ terms in Eqs. (34) and (37) should be multiplied by a factor 1/2. Table 1 should be replaced by the following table:

Table 1. Calculated values of dynamic (frequency-dependent) dipole polarizabilities of Ne, Ar, Kr and Xe; all values are in atomic units (1 a.u. of polarizability = $4\pi\epsilon_0 a_0^3 = 0.164878 \times 10^{-40} \text{ c}^2 \text{ m}^2 \text{ J}^{-1}$; 1 a.u. of frequency = $\hbar/m_e a_0^2 = 4.1341 \times 10^{16} \text{ rad sec}^{-1}$)

| Frequency (ω) | Ne | | | Ar | | Kr | | Xe | | |
|---------------------------|-----------------|---------------------------|--------------|--------------|-----------------|---------------------------|-----------------|---------------------------|-----------------|---------------------------|
| | Present work | Ref. [18] ^a | Ref. [20] | Ref. [21] | Present work | Ref. [18] ^a | Present work | Ref. [18] ^a | Present work | Ref. [18] ^a |
| 0.00 | 4.89 | | 2.37 | 2.67 | 16.72 | | 19.36 | | 28.44 | |
| 0.05 | 4.91 | | 2.37 | | 16.82 | | 19.46 | | 28.62 | |
| 0.10 | 4.97 | | 2.39 | 2.69 | 17.14 | | 19.79 | | 29.20 | |
| 0.15 | 5.08 | | 2.42 | | 17.72 | | 20.39 | | 30.26 | |
| 0.20 | 5.26 | 2.80 | 2.46 | 2.77 | 18.69 | 12.51 | 21.37 | 19.68 | 32.04 | 35.15 |
| 0.25 | 5.51 | 2.88 | 2.51 | | 20.30 | 13.50 | 22.95 | 21.87 | 35.07 | 44.20 |
| 0.30 | 5.89 | 2.99 | 2.58 | 2.91 | 23.32 | 15.22 | 25.75 | 27.20 | 41.06 | 95.52 |
| 0.35 | 6.48 | 3.14 | 2.68 | | 31.72 | 18.40 | 32.32 | | 62.42 | |
| 0.40 | 7.56 | | 2.81 | 3.14 | | | | | | |
| 0.45 | 10.60 | | 2.98 | | | | | | | |

^a Quoted in Ref. [19]

The first line in Table 2 should be replaced by the following line:

4.89 16.72 19.36 28.44 Present work