Errata

Erratum: Electronic structure and nonlinear optical properties of the fullerenes C_{60} and C_{70} : A valence-effective-Hamiltonian study [Phys. Rev. B 46, 16 135 (1992)]

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We have found a slight error in the section of our valence-effective-Hamiltonian (VEH) computer code pertaining to the sum-over-states (SOS) calculation of the molecular polarizability tensor components. This error has led to the fact that the polarizability components for C_{60} and C_{70} , as presented in Table II of our original work, did not obey the symmetry requirements reported by Ramaniah, Nair, and Rustagi.¹ We have now corrected this error and the VEH polarizability components of the fullerene molecules have to read as in Table I below.

We stress that the corrections are small in an absolute sense and do not modify in any way the conclusions in our original work.

We express our warm gratitude to Professor Rustagi and his co-workers for having pointed out to us the error in our original paper.

TABLE I. VEH-SOS theoretical static first-order polarizability α (in $\text{\AA}^3$) and third-order polarizability γ (in 10^{-36} esu) tensor components for C_{60} and C_{70} .

	C_{60}	C_{70}
α_{xx}	153.1	240.7
α_{yy}	153.1	240.7
α_{zz}	153.1	216.7
α_{av}	153.1	232.7
γ_{xxxx}	204.2	500.9
γ_{yyyy}	204.2	500.9
γ_{zzzz}	204.2	813.9
γ_{xxyy}	68.05	167.0
γ_{yyzz}	68.05	579.8
γ_{zzxx}	68.05	579.8
γ_{av}	204.1	893.7

¹L. M. Ramaniah, S. V. Nair, and K. C. Rustagi, Opt. Commun. 96, 289 (1993).

Erratum: Model dielectric function for semiconductors [Phys. Rev. B 47, 9892 (1993)]

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There are three misprints in this paper.

(1) In the row relative to silicon in Table I, in the third column the number 0.075 is not correct; the correct number is 0.0705.

(2) In Eq. (9) after the first ϵ one should insert (0) to obtain the correct symbol $\epsilon(0)$.

(3) In Ref. 13 the correct list of authors is R. Daling, W. van Haeringen, and B. Farid. The other part of the reference remains unchanged.