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Cite as: Journal of Applied Physics 65, 405 (1989); <https://doi.org/10.1063/1.343443>
Published Online: 17 August 1998

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There are some omissions of numerical coefficients in Eqs. (9), (10), and (11). Presented here are the correct equations:

$$C_{11}^1 = C_{11} + \eta(3C_{11} + 4C_{12} + C_{111} + 2C_{112}) + \eta^2(-\frac{5}{2}C_{11} - 4C_{12} + 2C_{111} + 8C_{112} + 2C_{123} + \frac{1}{2}C_{1111} + 2C_{1112} + C_{1122} + C_{1123}), \quad (9)$$

$$C_{12}^1 = C_{12} + \eta(C_{12} + 2C_{112} + C_{123}) + \eta^2(-\frac{1}{2}C_{12} + 2C_{112} + C_{123} + C_{1112} + C_{1122} + \frac{5}{2}C_{1123}), \quad (10)$$

$$C_{44}^1 = C_{44} + \eta(C_{11} + 2C_{12} + C_{44} + C_{144} + 2C_{155}) + \eta^2(-C_{11} - 2C_{12} - \frac{1}{2}C_{44} + \frac{1}{2}C_{111} + 3C_{112} + C_{123} + C_{144} + 2C_{155} + \frac{1}{2}C_{1144} + C_{1155} + 2C_{4412} + C_{4423}). \quad (11)$$

Here $\eta = \epsilon/3$.