CORRIGENDUM


To cite this article: A V Mokshin and B N Galimzyanov 2019 J. Phys.: Condens. Matter 31 209501

View the article online for updates and enhancements.
Corrigendum


A V Mokshin and B N Galimzyanov

Department of Computational Physics, Institute of Physics, Kazan Federal University, 420008 Kazan, Russia

E-mail: anatolii.mokshin@mail.ru

Received 19 February 2019
Accepted for publication 25 February 2019
Published 15 March 2019

We wish to report the following corrections to the paper [1].

First, equation (25e) should be written as

\[
\Delta_2^2(k) = \frac{1}{\Delta_1^2(k) \Delta_2^2(k) \Delta_3^2(k) \Delta_4^2(k)} \left\{ \langle \omega^{(10)}(k) \rangle 
- 2 \langle \omega^{(6)}(k) \rangle \left[ \Delta_2^2(k) + \Delta_3^2(k) + \Delta_4^2(k) \right]
+ \omega^{(6)}(k) \left[ \Delta_2^2(k) + 2 \Delta_3^2(k) \Delta_4^2(k) + \Delta_4^2(k) + 4 \Delta_1^2(k) \Delta_2^2(k) \right]
+ 2 \Delta_2^2(k) \Delta_3^2(k) + \Delta_3^2(k) + 4 \Delta_1^2(k) \Delta_4^2(k) \right\} \Delta_4^2(k) \right\} \Delta_4^2(k).
\]

Second, the factor \( \Delta_2^2(k) \) is omitted in the third contribution of dispersion equation (45), and this dispersion equation should have the following form:

\[
s^3 + \frac{2 \Delta_2^2(k) \sqrt{\Delta_3^2(k)}}{2 \Delta_2^2(k) - \Delta_3^2(k)} s^2 + \left[ \Delta_2^2(k) + \Delta_3^2(k) + \frac{\Delta_2^2(k) \Delta_3^2(k)}{2 \Delta_2^2(k) - \Delta_3^2(k)} \right] s
\]

Third, the subscript \( j \) of the parameter \( \Delta_{j+1}^2(k) \) in relation (A.8) in the appendix takes integer values including zero, and, therefore, this relation should be written as

\[
\Delta_{j+1}^2(k) = \frac{\left\{ \langle \text{Re}[\Delta_{j+1}(k,t)] \rangle \right\}^2 + \left\{ \langle \text{Im}[\Delta_{j+1}(k,t)] \rangle \right\}^2}{\left\{ \langle \text{Re}[\Delta_j(k,t)] \rangle \right\}^2 + \left\{ \langle \text{Im}[\Delta_j(k,t)] \rangle \right\}^2},
\]

\[ j = 0, 1, 2, 3, \ldots . \] (3)

ORCID iDs
A V Mokshin ◎ https://orcid.org/0000-0003-2919-864X
B N Galimzyanov ◎ https://orcid.org/0000-0002-1160-5748

Reference