Erratum: Detangling flat bands into Fano lattices

Sergej Flach\textsuperscript{1}, Daniel Leykam\textsuperscript{2}, Joshua D. Bodyfelt\textsuperscript{1}, Peter Matthies\textsuperscript{3} and Anton S. Desyatnikov\textsuperscript{2}

\textsuperscript{1} New Zealand Institute for Advanced Study, Centre for Theoretical Chemistry and Physics, Massey University 0745 Auckland, New Zealand
\textsuperscript{2} Nonlinear Physics Centre, Research School of Physics and Engineering, The Australian National University Canberra ACT 0200, Australia
\textsuperscript{3} Moscow Institute for Physics and Technology (State University) - 9 Institutskiy perulok, Dolgoprudny, Moskovskaya obl., 141700 Russia

Original article: EPL, 105 (2014) 30001.

PACS 99.10.Cd – Errata

Copyright © EPLA, 2014

Equation (9) contains two mistakes. In the text, the arguments of $P$, $y$ and $\frac{1}{z}$ were mixed up due to a transcription error. The additional factors of 2 appear when the correct distribution $\epsilon_n^+ = (\epsilon_n^a + \epsilon_n^b)/2$ is used, instead of $(\epsilon_n^a + \epsilon_n^b)$.

The correct eq. (9) should read as follows:

$$W(z) = \frac{2}{z^2} \int P(y) P\left(\frac{2}{z} - y\right) dy.$$  \hspace{1cm} (9)

The discussion following eq. (9) is unaffected, as it was based on the above correct expression.
Detangling flat bands into Fano lattices
(Vol 105, 30001, 2014)

Flach, S

2014-04-01