Erratum: Soluble models of rate processes in periodic systems with many degrees of freedom [Phys. Rev. B 31, 4929 (1985)]

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We regret that our paper fails to acknowledge the earlier work of Weiner and Sanders[1] and Weiner and Adler,[2] in which analytic solutions for many-body rate processes in certain linear chains were derived. Reference 1 calculated rates of activated motion of a simulated dislocation and Ref. 2 calculated the rates of activated motion of a simulated vacancy. In both papers a chain with Hook's-law forces between near neighbors in a background periodic potential of the Frenkel and Kontorova type was assumed. In Ref. 2 computer simulations by molecular dynamics were also carried out. Although the models, terminology, and calculational strategy are different from ours, their analysis addresses related problems. Our emphasis on rate theory is significantly different and our use of Green's-function methods provides a concise unification of the formal analysis. We are indebted to Professor Weiner for calling his work to our attention.

On page 4933 of our paper, in line 11 of the second column, delete "the" from the phrase "separating the hypersurface."

In the matrix in Eq. (38) the 2,3 element should be $-\alpha$ instead of -2.

Reference 20 should read as follows: G. DeLorenzi, C. P. Flynn, and G. Jacucci, Phys. Rev. B **30**, 5430 (1984).

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[1]J. H. Weiner and W. T. Sanders, Phys. Rev. **134**, A1007 (1964).

[2]J. H. Weiner and W. F. Adler, Phys. Rev. **144**, 511 (1966).

Erratum: Exciton transfer at low temperature in $Ga_xIn_{1-x}P$:N and $GaAs_{1-x}P_x$:N [Phys. Rev. B 31, 5217 (1985)]

H. Mariette, J. A. Kash, D. J. Wolford, and A. Marbeuf

Figures 5 and 6 have been reversed, but their captions are in correct order: Fig. 5 corresponds to the $GaAs_{1-x}P_x$ data with one broad band, whereas Fig. 6 corresponds to $Ga_xIn_{1-x}P$ ones with two bands.

Erratum: Screening of polar interaction in quasi-two-dimensional semiconductor microstructures [Phys. Rev. B 31, 5536 (1985)]

S. Das Sarma and B. A. Mason

The label on the abscissa of the graph in Fig. 3(b) should be $\sqrt{E/\omega_{\mathrm{LO}}}$.