

**Erratum: Rate Equation for the Transfer of Interstitials across  
Interfaces between Equilibrated Crystals  
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Jörg Weissmüller 



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Equation (20) in the original Letter contains an erroneous sign, which incorrectly implies a negative-valued time constant. The correct version of Eq. (20), which provides a positive time constant, is

$$\mathcal{T}^{-1} = \frac{A_V J_\mu^{\text{eq}}}{\rho_0 \chi_S^B}. \quad (20a)$$

The erroneous sign in the original Letter results from an omission in its Eq. (A3) of Appendix A. That equation is missing a line linking the  $dJ^B/d\mu_S^B$  derivative to  $J_\mu^{\text{eq}}$ , the flux resistance parameter.  $J_\mu^{\text{eq}}$  is defined as the  $\mu_S^A$  derivative of  $J^B$  at equilibrium. In view of Eq. (15) in the original Letter, first changing the variable of differentiation from  $\mu_S^B$  to  $\mu_S^A$  and then accounting for  $\mu_S^B = \mu_S^A$  at equilibrium leaves the magnitude of the derivative invariant but inverts its sign. Therefore, the corrected version of Eq. (A3) is

$$\begin{aligned} J_x &= \left. \frac{dJ^B}{dx^B} \right|_{\mu_S^A=\text{const}, \mu_S^B=\mu_S^A} \\ &= \left. \frac{dJ^B}{d\mu_S^B} \right|_{\mu_S^A=\text{const}, \mu_S^B=\mu_S^A} \frac{d\mu_S^B}{dx^B} \\ &= - \left. \frac{dJ^B}{d\mu_S^A} \right|_{\mu_S^B=\text{const}, \mu_S^A=\mu_S^B} \frac{d\mu_S^B}{dx^B} \\ &= - \frac{J_\mu^{\text{eq}}}{\chi_S^B}, \end{aligned} \quad (A3a)$$

where the missing relation has been introduced by adding the third line. It then follows that the second unnumbered equation after Eq. (A5) in the original Letter reads, with corrected sign,

$$\mathcal{T}^{-1} = - \frac{A_V}{\rho_0} J_x = + \frac{A_V J_\mu^{\text{eq}}}{\rho_0 \chi_S^B},$$

and this propagates the corrected sign into Eq. (20a) as it is shown above. In the original Letter, all considerations based on Eq. (20) used the correct sign and a positive-valued time constant, as shown here.