ERRATUM

Quantum Theory of Diffusion with Application to Light Interstitials in Metals, C. P. Flynn and A. M. Stoneham [Phys. Rev. B 1, 3966 (1970)]. A notational error might cause confusion. In Eq. (3.6), $\mathcal{H}_{\text{int}}$ should read $\mathcal{H}_{\text{int}}^{(p)}$, the potential associated with the pth interstice (the division of $\mathcal{H}_{\text{int}}$ into terms associated with different interstices is to some extent arbitrary but does not affect subsequent steps). Equations after (3.6) should all contain $\mathcal{H}_I + \mathcal{H}_{\text{int}}$ rather than $\mathcal{H}_{\text{int}}$ alone. The proper terms were used throughout the actual calculations, so the conclusions are not affected. A final point is that the integrand in Eq. (A6) should contain x^4 rather than x^2 as printed. The related formulas are correct.