Erratum: Mass Redistribution Causes the Structural Richness of Ion-Irradiated Surfaces

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In the Supplemental Material, Eq. (S4) for the redistributive component of the curvature coefficient uses an incorrect functional form for the angular correction factor. The correction factor should be the same as the one that appears in the erosive component of the curvature coefficient, as shown in Eq. (S1).

The modified Eq. (S4) should be

$$S_{\text{redist}}(\theta) = J \delta \Omega \cos(2\theta) \exp \left[ -\Sigma \left( \frac{1}{\cos(\theta)} - 1 \right) \right].$$

Therefore, the expression for the Yamamura large angle correction factor appearing in the last paragraph of page 4 of the Supplemental Material should also be modified to read

$$\exp \left[ -\Sigma \left( \frac{1}{\cos(\theta)} - 1 \right) \right].$$

This change affects our calculated value for the sum of vector displacements of all recoiled atoms $\delta$. On page 3 of the main paper, we reported $\delta = 65 \pm 5$ nm. With the corrected form of Eq. (S4), this value becomes $\delta = 28 \pm 5$ nm. This correction does not affect the conclusions to our work; in fact, it reduces the discrepancy with the value from the molecular dynamics simulations—albeit at a lower energy—reported in Ref. [1].

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