

ADDITIONS AND CORRECTIONS

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Thiruvilla Mahadevan and Stephen Garofalini*: Dissociative Chemisorption of Water onto Silica Surfaces and Formation of Hydronium Ions

Pages 1507–1515. Equation 6 is redundant (5 = 6).

Equation 7 should read

$$U_{\text{rep}}(r_{ij}) = A_{\text{rep}}^{ij} 2\xi_r^{ij} \frac{\text{erfc}\left(\frac{r_{ij}}{2\xi_r^{ij}}\right)}{r_{ij}}$$

There are errors in the λ values and the $r_{\alpha\beta}^0$ in the original Table 1c.

TABLE 1: (c) Three Body Parameters

| | O–Si–O = β – α – β | Si–O–Si = β – α – β | H–O–H = β – α – β | Si–O–H = β – α – δ |
|-----------------------------|--|---|---|---|
| λ (ergs) | 15×10^{-11} | 1×10^{-11} | 30×10^{-11} | 5.0×10^{-11} |
| $\gamma_{\alpha\beta}$ (Å) | 2.8 | 2.0 | 1.3 | 2.0 |
| $\gamma_{\alpha\delta}$ (Å) | | | | 1.2 |
| $r_{\alpha\beta}^0$ (Å) | 3.0 | 2.8 | 1.6 | 2.8 |
| $r_{\alpha\delta}^0$ (Å) | | | | 1.5 |
| $\theta_{\text{jik}}^\circ$ | 109.47 | 109.47 | 100 | 109.47 |

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