

$$\mathcal{E}_{\text{tot}}(\{\mathbf{R}_A\})$$

$$\{\mathbf{R}_A\}$$


The figure shows a plot of total energy $\mathcal{E}_{\text{tot}}(\{\mathbf{R}_A\})$ versus nuclear coordinates $\{\mathbf{R}_A\}$. The vertical axis is labeled $\mathcal{E}_{\text{tot}}(\{\mathbf{R}_A\})$ and the horizontal axis is labeled $\{\mathbf{R}_A\}$. A blue curve starts at a high energy value for small $\{\mathbf{R}_A\}$, decreases to a minimum, and then increases and levels off as $\{\mathbf{R}_A\}$ increases.