

$$\frac{(2\pi)^J}{J!} \leq \frac{\varepsilon_4}{632\,A(\sigma)}, \qquad \frac{(2\pi)^J}{J!} \leq \frac{\epsilon_4}{632\,A(\sigma)}\frac{1}{M}\Big(\frac{\pi^2B_1a\sqrt{3}^2}{M^2}\Big)^{(M-1)/3}.$$