

Supplementary Information

Tolerance Factor, Phase Stability and Order-Disorder of the

Pyrochlore Structure

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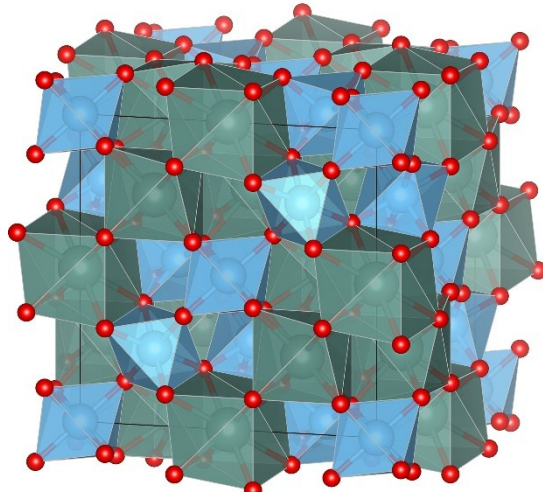
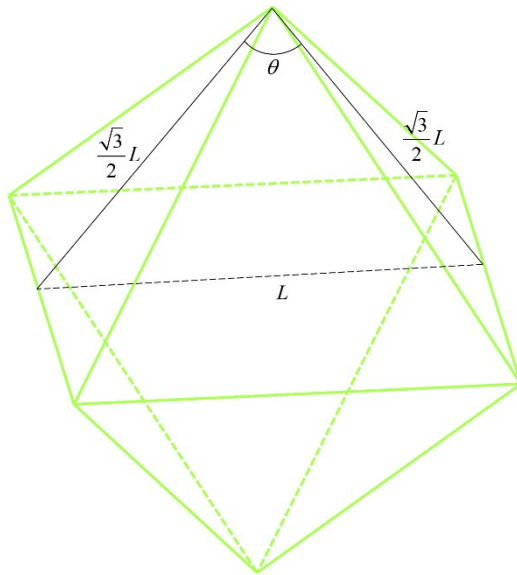


Figure S1 General view of the pyrochlore structure.



$$\cos \theta = \frac{\left(\frac{\sqrt{3}}{2}L\right)^2 + \left(\frac{\sqrt{3}}{2}L\right)^2 - L^2}{2 \times \frac{\sqrt{3}}{2}L \times \frac{\sqrt{3}}{2}L} = \frac{1}{3}$$

Figure S2 Derivation of angles $M_1M_0M_2$, $M_2M_0M_3$ and $M_3M_0M_4$ in Fig. 1 (c)