

JOURNAL OF SOLID STATE CHEMISTRY

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Cover Art. (a) Scheme showing the incompatibility of tilted isotropic octahedra with antiphase boundaries. The black arrows indicate the rotation directions of the corners. (b) Model for the antiphase boundaries in $\text{Pb}_2\text{Mn}_2\text{O}_5$. The black rectangles outline the unit cell, the displacement vector introduced by the antiphase boundary is indicated by the white R-vector. (c) Scheme showing the alternation of the long Mn–O bonds within the plane. The double-sided arrows are superimposed over the long bonds. Article by J. Hadermann *et al.* on pp. 2190–2195 of this issue.