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### **Manifestations of Bloch walls in perovskite ferroelectrics<sup>1</sup>**

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Recently, concerted efforts of several research laboratories have been employed to clarify theoretical conditions for the appearance of the ferroelectric analogues of the ferromagnetic Bloch walls. These ferroelectric Bloch walls can be distinguished from the usual ferroelectric domain boundaries by their bistability, their chiral nature, and the existence of an extraneous, symmetry breaking polarization component, restricted to the interior of the domain boundaries themselves. It is time to collect the experimental proofs for the existence of these peculiar nanoscale objects.

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