

Abstract Submitted
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Ferroelectricity in CsPbF₃ MARCO FORNARI, Dept. of Physics, Central Michigan University — We discuss the structural and electronic features of ABX₃ halides with perovskitic structure. In particular we analyze the instabilities that drive CsPbF₃ to a rhombohedral phase and study the effect of halogen substitutions. The properties of CsPbF₃ are considered from the point of view of ferroelectricity and compared with prototypical oxides.

Marco Fornari
Dept. of Physics, Central Michigan University

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