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Study of the magnetic phase separation in the $\text{Eu}_{0.65}\text{Sr}_{0.35}\text{Mn}_{1-x}\text{Fe}_x\text{O}_3$ ceramics by EPR and Mössbauer spectroscopy

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Abstract

The structural and magnetic properties of the $\text{Eu}_{0.65}\text{Sr}_{0.35}\text{Mn}_{1-x}\text{Fe}_x\text{O}_3$ ($x = 0.2-0.4$) ceramics have been investigated using EPR, Mössbauer spectroscopy, and differential thermomagnetic analysis. A magnetic phase separation has been revealed in the structurally single-phase samples. © 2010 Pleiades Publishing, Ltd.

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