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## Phase separation in paramagnetic Eu0.6La0.4-xSr xMnO3

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## Abstract

We investigate the magnetic properties of the system Eu 0.6La0.4-xSrxMnO3 with  $0.1 \le x \le 0.3$  by means of magnetic susceptibility and electron spin resonance measurements. Ferromagnetic resonance signals are observed in the paramagnetic regime from above the magnetic ordering temperature TN up to approximately room temperature. This regime is characterized by the coexistence of ferromagnetic entities within the globally paramagnetic phase. The results are compared to the Griffiths scenario reported in La1-xSr xMnO3. © 2011 American Physical Society.

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