

## Journal of magnetism and magnetic materials

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Abstrak

**ABSTRAK**

The magnetoresistivity and Hall resistivity of Pd/Co multilayers have been investigated down to 4.2 K, focusing on the difference between samples with in-plane perpendicular magnetization. At 4.2 K, a sign change of the extraordinary Hall coefficient as a function of Co thickness is observed at ~2 Å. For a Co layer thickness of 2 Å, an anomaly is found in the temperature dependence of both resistivity and Hall coefficient near 250 K, suggesting a magnetic phase transition in an alloyed interface region