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EJ 9 Electron Spin Resonance in $Cd_{1-x}Mn_xSe$. S. OSEROFF,*
R. CALVO,* W. GIRIAT*, Instituto Venezolano de Investi-
gaciones Científicas (IVIC) and Z. FISK, IPAPS, UCSD.--
We have performed electron spin resonance measurements
in single crystals of $Cd_{1-x}Mn_xSe$ at 9 GHz between 1.6
and 300K within a wide range of manganese content
($0.0005 \leq x \leq 0.45$). The temperature T_c of the order-dis-
order transition was obtained from the change of the
giromagnetic factor and the broadening of the resonance
linewidth with temperature. A discontinuity in the
value of T_c was observed at $x \approx 0.25$ in agreement with a
site percolation theory.

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