

report this same 1 per cent difference in  $C_{11}$  but a 3 to 4 per cent increase in  $C_{44}$ . They also found a slight decrease in the  $C_{12}$  value of pure nickel upon magnetization whereas the results of this work indicate a significant increase. Alloying with copper appears to reduce the magnitude of this  $\Delta E$  effect in nickel as is shown by the convergence of the magnetized and unmagnetized curves at the boundary of the ferromagnetic region.

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