Abstract Submitted
for the MAR17 Meeting of
The American Physical Society

Calculating electronic correlation effects from densities of transitions[1] ROGER HAYDOCK, University of Oregon — Adding a localized electron to a system of interacting electrons induces a density of transitions described by the time-independent Heisenberg equation. Sequences of these transitions generate interacting states whose total energy is the sum of energies of the constituent transitions. A calculation of magnetic moments for itinerant electrons with Ising interactions illustrates this method.

[1]supported by the H. V. Snyder Gift to the University of Oregon

Roger Haydock
University of Oregon

Date submitted: 16 Sep 2016 Electronic form version 1.4