

Abstract Submitted  
for the MAR06 Meeting of  
The American Physical Society

**Improved sampling of computationally expensive potentials**

MARK DEWING — We wish to evaluate statistical properties of systems using potentials that are accurate but computationally expensive, such as those obtained from Density Functional Theory or Quantum Monte Carlo. Using a cheap, approximate potential that is sufficiently close to the potential of interest, sample points can be generated that allow efficient evaluation of properties of the accurate potential.

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Date submitted: 30 Nov 2005

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