

Abstract Submitted
for the MAR14 Meeting of
The American Physical Society

Nested Sampling as a blind search method in condensed matter systems ROBERT BALDOCK, GABOR CSANYI, LIVIA BARTOK-PARTAY, ALBERT BARTOK-PARTAY, University of Cambridge — Nested Sampling is a Bayesian blind search method for calculating the density of states. Nested Sampling samples almost entirely in the region of first order phase transitions, thereby efficiently delivering entire phase diagrams without specific system knowledge. Here we present the latest methods for applying nested sampling to condensed matter systems.

Robert Baldock
University of Cambridge

Date submitted: 15 Nov 2013

Electronic form version 1.4