

Semistochastic Quantum Monte Carlo – A hybrid of of Exact Diagonalization and QMC methods

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This talk will provide a pedagogic and unified overview of various zero-temperature QMC methods, discuss their advantages and disadvantages, and the nature of the infamous “Sign Problem”. Then the recently developed Semistochastic Quantum Monte Carlo method [1], which combines some of the advantages of Exact Diagonalization with those of the FCIQMC [2, 3] method will be discussed.

References

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