

Recent advances in numerical methods for conservative problems

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Abstract

In a recent series of papers, the class of *Hamiltonian Boundary Value Methods* has been introduced and analyzed (see, e.g., [1, 2]), for the efficient numerical solution of Hamiltonian problems. Such methods, characterized from the fact of being energy-conserving, have been further extended to cope with more general conservative problems (see, e.g., [3, 4, 5, 6, 7]), including Hamiltonian partial differential equations [8]. In this talk, we provide a brief overview of such achievements.

References

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