

Efficient Geometric Numerical Methods for Solving Differential Systems

A. Abdi¹, G. Hojjati², M. Hosseini Nasab³

¹ Faculty of Mathematical Sciences, University of Tabriz, Tabriz, Iran
a.abdi@tabrizu.ac.ir

² Faculty of Mathematical Sciences, University of Tabriz, Tabriz, Iran
ghojjati@tabrizu.ac.ir

³ Faculty of Mathematical Sciences, University of Tabriz, Tabriz, Iran
m_hosseininasab@tabrizu.ac.ir

Keywords: Hamiltonian systems, Numerical integration of IVPs, Stability.

In this paper, we introduce numerical methods to solve differential equations systems for which good qualitative behaviour is essential. To do this, we equip the numerical methods introduced in [1] and [2] to the case that preserve the same qualitative behaviour. The proposed algorithms are efficient to solve special differential equations systems, like Lotka-Volterra problem.

References

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