## Nonlinear Sciences > Exactly Solvable and Integrable Systems

## Recursive Generation of Isochronous Hamiltonian Systems

V. K. Chandrasekar, A. Durga Devi, M. Lakshmanan

(Submitted on 3 Mar 2010)

We propose a simple procedure to identify the collective coordinate \$Q\$ which is used to generate the isochronous Hamiltonian. The new isochronous Hamiltonian generates more and more isochronous oscillators, recursively.

Comments:Accepted as a Letter in the Journal of Nonlinear Mathematical PhysicsSubjects:Exactly Solvable and Integrable Systems (nlin.Sl)Cite as:arXiv:1003.0730v1 [nlin.Sl]

## **Submission history**

From: Chandrasekar Kuppusamy [view email] [v1] Wed, 3 Mar 2010 05:30:26 GMT (98kb)

Which authors of this paper are endorsers?

- PDF
- PostScript
- Other formats

Current browse context: nlin.SI < prev | next > new | recent | 1003

Change to browse by:

nlin

## **References & Citations**

• CiteBase



Link back to: arXiv, form interface, contact.

All papers 🚽 Go!