Nonlinear Sciences > Exactly Solvable and Integrable Systems

## Symmetry Analysis of 2+1 dimensional Burgers equation with variable damping

## D. Pandiaraja, B. Mayil Vaganan

(Submitted on 12 Mar 2010)

The symmetry classification of the two dimensional Burgers equation with variable coefficient is considered. Symmetry algebra is found and a classification of its subalgebras, up to conjugacy, is obtained. Similarity reductions are performed for each class.

- For a possible publication in Proceedings of the Conference Comments: "Integrable Systems and Geometry" Edited by B. Dubrovin, B. Grammaticos, J. Satsuma and K.M. Tamizhmani Deadline for paper submission is December 15, 2010 Subjects: Exactly Solvable and Integrable Systems (nlin.SI) MSC classes: 22E60, 27E70, 34A05, 35G20. ACM classes: G.1.8 arXiv:1003.2511v1 [nlin.SI] Cite as:
- Submission history

From: Duraisamy Pandiaraja [view email] [v1] Fri, 12 Mar 2010 10:22:33 GMT (6kb)

Which authors of this paper are endorsers?

Link back to: arXiv, form interface, contact.

All papers -

## **Download:**

- PDF
- PostScript
- Other formats

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

Change to browse by:

nlin

## **References & Citations**

CiteBase

