arXiv.org > math-ph > arXiv:1106.3217

Search or Article-id

(Help | Advan

All papers

Mathematical Physics

Hierarchy of integrable Hamiltonians describing of nonlinear n-wave interaction

Anatol Odzijewicz, Tomasz Goliński

(Submitted on 16 Jun 2011)

In the paper we construct an hierarchy of integrable Hamiltonian systems which describe the variation of n-wave envelopes in nonlinear dielectric medium. The exact solutions for some special Hamiltonians are given in terms of elliptic functions of the first kind.

Comments: 17 pages

Subjects: Mathematical Physics (math-ph); Exactly Solvable and Integrable Systems

(nlin.SI)

DOI: 10.1088/1751-8113/45/4/045204 arXiv:1106.3217 [math-ph] Cite as:

(or arXiv:1106.3217v1 [math-ph] for this version)

Submission history

From: Tomasz Golinski [view email] [v1] Thu, 16 Jun 2011 12:35:44 GMT (18kb)

Which authors of this paper are endorsers?

Link back to: arXiv, form interface, contact.

Download:

- PDF
- **PostScript**
- Other formats

Current browse cont math-ph

< prev | next > new | recent | 1106

Change to browse b

nlin nlin.SI

References & Citation

NASA ADS

Bookmark(what is this?)





