arXiv.org > hep-th > arXiv:1107.4370

Search or Article-id

(Help | Advanced search)

All papers



High Energy Physics - Theory

Supersymmetric K field theories and defect structures

C. Adam, J.M. Queiruga, J. Sanchez-Guillen, A. Wereszczynski (Submitted on 21 Jul 2011)

We construct supersymmetric K field theories (i.e., theories with a nonstandard kinetic term) in 1+1 and 2+1 dimensions such that the bosonic sector just consists of a nonstandard kinetic term plus a potential. Further, we study the possibility of topological defect formation in these supersymmetric models. Finally, we consider more general supersymmetric K field theories where, again, topological defects exist in some cases.

Comments: Latex, 6 figures, 27 pages

Subjects: High Energy Physics - Theory (hep-th); Mathematical

Physics (math-ph)

arXiv:1107.4370v1 [hep-th] Cite as:

Submission history

From: Christoph Adam [view email] [v1] Thu, 21 Jul 2011 20:06:11 GMT (491kb)

Which authors of this paper are endorsers?

Link back to: arXiv, form interface, contact.

Download:

- PDF
- PostScript
- Other formats

Current browse context:

hep-th

< prev | next > new | recent | 1107

Change to browse by:

math math-ph

References & Citations

- **INSPIRE HEP** (refers to | cited by)
- NASA ADS

Bookmark(what is this?)











