

Cornell University Library

arXiv.org > math > arXiv:1107.0213

Mathematics > Analysis of PDEs

Evans function and operator determinants

Issa Karambal

(Submitted on 30 Jun 2011 (v1), last revised 3 Aug 2012 (this version, v4))

We present a new method for reducing the Fredholm determinant associated with an underlying Birman-Schwinger operator to a finite dimensional determinant. Moreover, we compute explicitly the connection between the Fredholm determinant and the Evans function for travelling wave problems of all orders, in one dimension

Comments:	24 pages
Subjects:	Analysis of PDEs (math.AP)
MSC classes:	47B10 (Primary) 47G10, 34B27 (Secondary) 34L05
Cite as:	arXiv:1107.0213 [math.AP] (or arXiv:1107.0213v4 [math.AP] for this version)

Submission history

From: Issa Karambal [view email]
[v1] Thu, 30 Jun 2011 11:38:55 GMT (21kb)
[v2] Tue, 22 Nov 2011 13:50:41 GMT (21kb)
[v3] Thu, 24 Nov 2011 15:57:26 GMT (18kb)
[v4] Fri, 3 Aug 2012 13:16:28 GMT (23kb)

Which authors of this paper are endorsers?

Link back to: arXiv, form interface, contact.

