
Yoonweon Lee

In Lemma 2.3, Lemma 3.3 and Corollary 3.4 of the paper [4], the author incorrectly computed the asymptotic expansion of log Det R(λ) for λ → ∞. This incorrect computation affects Theorem 3.6 and Theorem 4.1, which, as a consequence, are not true. The main mistake is the incorrect computation of the complete symbol of the pseudodifferential operator Σ₀, which is much more complicated than the author thought. Unfortunately the author has not been able to correct this mistake. Without perfect understanding of the complete symbol of Σ₀, the method given in this paper may not be successful.

However, in Theorem 3.4 of [2] and Theorem 1.1 of [3], K. Kirsten and the author corrected the mistakes of this paper by using the result of [1].

References


Yoonweon Lee
DEPARTMENT OF MATHEMATICS EDUCATION
INHA UNIVERSITY
INCEON 22212, KOREA
E-mail address: yoonweon@inha.ac.kr

Received January 29, 2020; Revised March 5, 2020; Accepted March 11, 2020.

2010 Mathematics Subject Classification. 58J52, 58J50.

Key words and phrases. (relative) Zeta-determinant, BFK-gluing formula, Dirichlet-to-Neumann operator, Dirichlet boundary condition, warped product metric.

©2020 Korean Mathematical Society