

Erratum

**On the Determinant of Elliptic Differential
and Finite Difference Operators
in Vector Bundles over S^1**

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On page 9, lines 6 and 9 from below: instead of

$$\frac{d}{ds} (\zeta_{Q,A,\theta}(s) - \zeta_{Q,A',\theta}(s))|_{s=0}$$

should be

$$(\zeta_{Q,A,\theta}(s) - \zeta_{Q,A',\theta}(s))|_{s=0}.$$

On page 17. Corollary 5.3, 2) as stated is incorrect. It should be replaced by

Corollary 5.3. 2) $(S_\theta(A))^2$ is a spectral invariant.

Proof. Since A is of odd order, $S_\theta(A) = -1/S_{\theta+\pi}(A)$. Theorem 1 implies

$$\frac{\text{Det}_\theta A}{\text{Det}_{\theta+\pi} A} = -S_\theta(A)^2.$$

Observation. The example of the family of operators $A(k) = id/dx + k$, k integer, shows that neither $R(A)$ nor $S_\theta(A)$ are spectral invariants.

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