

CORRECTION AND ADDENDUM, VOLUME 82

Victor Guillemin and Alan Weinstein,¹ *Eigenvalues associated with a closed geodesic*, p. 93.

On p. 93 in the Theorem, the formula

$$\sqrt{\lambda_n} = L^{-1}(n_1\theta_1 + \cdots + n_k\theta_k + 2\pi n + \mu) + O(n^{-1/2})$$

should read

$$\sqrt{\lambda_n} = L^{-1}((n_1 + \frac{1}{2})\theta_1 + \cdots + (n_k + \frac{1}{2})\theta_k + 2\pi n + \pi\mu/2) + O(n^{-1/2}).$$

J. Ralston, who has obtained a direct proof [3] of our result, has informed us of some anterior work [1], [2] in which our formula appears. Neither source, however, contains our full theorem with a full proof.

REFERENCES

1. J. Arnaud, *Hamiltonian theory of beam mode propagation*, Progress in Optics, vol. XI, E. Wolf, Editor, North-Holland, Amsterdam, 1973, pp. 249–304.
2. V. M. Babič and V. F. Lazutkin, *The eigenfunctions which are concentrated near a closed geodesic*, Problemy Mat. Fiz., vyp. 2, Izdat. Leningrad. Gos. Univ., Leningrad, 1967, pp. 15–25 = Topics in Math. Phys., no. 2, Plenum Press, New York, 1968, pp. 9–18. MR 38 #2708.
3. J. V. Ralston, *Construction of approximate eigenfunctions of the Laplacian concentrated near stable closed geodesics*, J. Differential Geometry (to appear).

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