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Authors' reply[☆]

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In response to Wright's comment [1], the authors of Ref. [2] would like to add that we did not consider Ref. [3] on quantum dots and condensed matter physics (also by the present authors) to be an important reference for the acoustic cavity problem presented in Ref. [2] where the Helmholtz equation is solved subject to Neumann boundary conditions rather than the Dirichlet boundary conditions considered in Ref. [3]. However, we agree that a more complete literature survey would make Ref. [2] more complete.

The second citation to Morse and Feshbach [4] (or Moon and Spencer [5]), missing in Ref. [2] according to Wright, does not discuss the details of numerically (and quasi-analytically) computing eigenfrequencies and eigenstates of acoustic parabolic-cylinder cavities including discussions of symmetry properties and shape dependencies being the main contribution of Ref. [2]. Finally, we point out that references are indeed given to Morse and Feshbach and Moon and Spencer in Ref. [2].

Again, we appreciate the Comment on how we could have improved our literature review.

References

- [1] M.C.M. Wright, Comments on "Theory of acoustic eigenmodes in parabolic cylindrical enclosures" by M. Willatzen and L.C. Lew Yan Voon, *Journal of Sound and Vibration* 285 (1–2) (2005) 495–496.
- [2] M. Willatzen, L.C. Lew Yan Voon, Theory of acoustic eigenmodes in parabolic cylindrical enclosures, *Journal of Sound and Vibration*, in press; doi:10.1016/j.jsv.2004.10.002.

[☆]Re to doi:10.1016/j.jsv.2005.01.039.

- [3] M. Willatzen, L.C. Lew Yan Voon, Confined states in parabolic cylinder quantum dots, *Physica E* 16 (2) (2003) 289–296.
- [4] P.M. Morse, H. Feshbach, *Methods of Theoretical Physics*, McGraw-Hill, New York, 1953.
- [5] P. Moon, D.E. Spencer, *Field Theory Handbook*, Springer, Berlin, 1961.