ACKNOWLEDGMENTS

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AUTHOR'S REPLY

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The author wishes to thank Prof. Maurizi for his interest in the author's article [1], and would like to clarify the following. The main aim of the author's article was to derive "explicit" formulae for the fundamental natural frequencies for the vibration of finite Timoshenko-beams mounted on either finite or continuous Pasternak foundation. The article focuses on prismatic and initially straight beams, with six different sets of end restraints. The frequency equations of this soil–structure system are highly transcendental, and no attempt has been made to solve them, even in the simplest cases. The work presented

in the author's article is part of a project illuminating the behavior of cylindrical shells [2]. This forms the motivation for the work presented in the author's article.

Much work has been done by on the analyses of Timoshenko-beams on Pasternak foundation. The earlier theoretical work on this problem may be classified into four categories, namely: (1) developing numerical procedure for the analyses of the problem, (e.g., references [7, 10] of the comment and reference [3]); (2) investigating the effects of using improved theories for beams and foundation (e.g., reference [12] of the comment and reference [4, 5]); (3) investigating the effects of the initial curvature of the beam (e.g., reference [6]); and (4) investigating the effects of end restraints (e.g., references [4, 5] of the comment).

The author's article focuses on the analytical solution of the problem, where only the work of Wang and Stephens (reference [4] of both the author's article and the comment) is related. Although the references mentioned by Prof. Maurizi in addition to those mentioned herein by the author are of great interest, they are not directly related to the analytical analysis of the problem, which is the focus of the author's article.

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