

MANUSCRIPT PREPARATION INSTRUCTIONS

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ABSTRACT

The abstract should be around 100 words, suitable for inclusion in standard INSPEC abstracting journals.

INTRODUCTION

Please use this template to prepare your manuscript. Whilst there is no page limit or word number limit for your paper, please ensure your paper is not excessively long. Submit your paper to the editor: AcousticsAustralia@acoustics.asn.au.

To assist with the review process please provide the names and email addresses of 2 or 3 suitable reviewers for your paper.

TYPE FONTS AND STYLE

The manuscript must be typed using single spacing. Use extra line spacings before headings and between equations, illustrations, figures and tables. The body of the text should be prepared using Times New Roman 12 font size.

All paragraphs should be indented. Note that there is no line spacing between paragraphs (unless a subheading is used).

SECTION HEADINGS

Major section headings should be in capital letters and Times New Roman with bold font and 12 point size.

Subheadings

Subheadings are also in Times New Roman bold font 12 point size. Only the first letter of the subheading should be capitalized.

Sub-subheadings

Sub-subheadings are in Times New Roman bold italics font 12 point size. Only the first letter in the sub-subheading should be capitalized.

OTHER IMPORTANT INSTRUCTIONS REGARDING YOUR MANUSCRIPT

There are several other instructions that should be carefully followed:

Number of pages

Papers should generally not exceed five journal pages in length. This implies a maximum of about 5000 words, with each normal single-column diagram being counted as 300 words, and pro-rata for diagrams of other shapes and sizes.

Proofreading

Proofread your manuscript carefully before submitting it for publication.

Equations

Equations should be fully justified on the page and numbered consecutively beginning with (1). Equations should be separated from the body text by a single line spacing, before and after. It is preferable to use Equation Editor or a similar program for your equations as well as for the symbols in the main text. In Eq. (1) below, $p(\mathbf{R})$ is the far-field radiated acoustic pressure at a field point \mathbf{R} .

$$p(\mathbf{R}) = -\int_S \left(p_s \frac{\partial g(|\mathbf{R} - \mathbf{R}_0|)}{\partial \xi} + \rho_f \dot{w}g(|\mathbf{R} - \mathbf{R}_0|) \right) dS(\mathbf{R}_0) \quad (1)$$

$$g(|\mathbf{R} - \mathbf{R}_0|) = \frac{-e^{jk_f|\mathbf{R} - \mathbf{R}_0|}}{4\pi|\mathbf{R} - \mathbf{R}_0|} \quad (2)$$

Tables

Where possible, the text for tables should be in Times New Roman. Table captions should be in 12 point Times New Roman font and positioned above the table. Single line captions should be centred and multiple line captions should be fully justified.

Table 1. Cylindrical hull parameters

Parameter	Value
diameter, d (m)	6.5
thickness, h (mm)	45
length, L (m)	45
Young's modulus, E (GPa)	200
density, ρ (kg/m ³)	7800
Poisson's ratio, ν	0.3

Units

The use of SI units is required. Units should not be in italics.

Figures

All figures must be individually numbered and captioned. Illustrations must be sharp and clear, including any lettering on the figures. Whilst you may include the figures within your paper for the review process, please provide the figures as separate files in the following format (in order of preference): tiff, eps, pdf, jpg. It is helpful if you provide your figures in more than one format. For example, if you provide your figures in both eps and tiff format, the format that provides the best resolution during the typesetting process will be used.

Figures can be provided in colour.

Figure and photograph captions

Figure and photograph captions should be written with 12 point Times New Roman font. These captions should always be positioned below the figure or photograph. Single line captions should be centred and multiple line captions should be fully justified.

Photographs

High resolution photos are preferred.

CONCLUSIONS

Following the body of the paper, the last section is normally the **CONCLUSIONS** or **SUMMARY** and should be labelled as such.

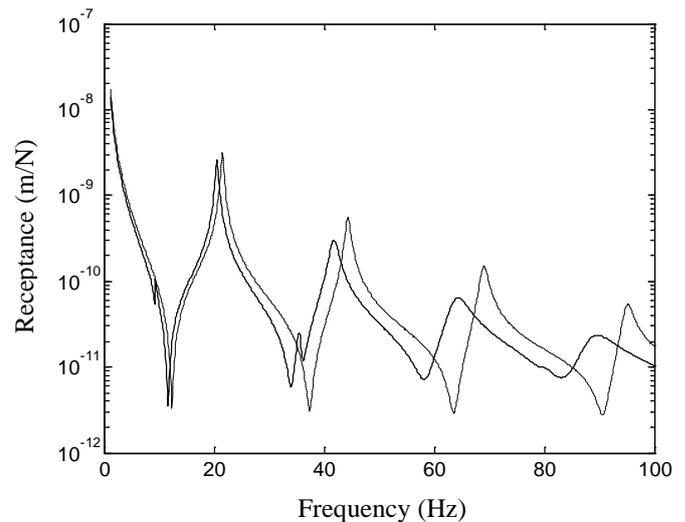


Figure 1. Drive point receptance: cylindrical shell model (—) and 1-D rod model (---)

ACKNOWLEDGEMENTS

You may wish to provide acknowledgements in your paper.

REFERENCES

Examples of the proper format for references are given below. The title of the journal, book or conference proceedings should be in italics. The volume number of a journal paper (i.e., 25 in the first example below) should be in bold font. For citations in the text use square brackets and numbers: [1], [2], [1, 2], [1-4]. The numbering of references should be in ascending order.

- [1] K.U. Ingard, "On the theory and design of acoustic resonators", *Journal of the Acoustical Society of America* **25**, 1037-1067 (1953)

- [2] A.W. Leissa, *Vibration of shells*, American Institute of Physics, Woodbury, New York, 1993
- [3] M.C. Junger and D. Feit, *Sound, structures and their interaction*, MIT Press, 1985
- [4] J. Pan, N. Farag, T. Lin and R. Juniper, “Propeller induced structural vibration through the thrust bearing”, *Proceedings of Acoustics 2002*, Adelaide, Australia, 13-15 November 2002, pp. 390-399
- [5] L.M.B.C. Campos and J.M.G.S. Oliveira, “On sound generation in cylindrical nozzles with non-uniform impedance”, *Proceedings of the Twelfth International Congress on Sound and Vibration (ICSV12)*, Lisbon, Portugal, 11-14 July 2005
- [6] T. Evans and J. Cooper, “Comparison of predicted and measured wind farm noise levels and implications for assessments of new wind farm”, *Proceedings of Acoustics 2011*, Gold Coast, Australia, 2-4 November 2011
- [7] R.D. O’Neal, R.D. Hellweg Jr. and R.M. Lampeter, “Low frequency noise and infrasound from wind turbines”, *Noise Control Engineering Journal* **59**(2), 135-157 (2011)
- [8] P. Gipe, *Wind turbine tower trends*, <http://www.wind-works.org/articles/TowerTrends.html> (last accessed on 18 March 2012)

Appendix A – Single degree-of freedom Helmholtz resonator

The appendix is located after the references. The appendices should be labelled Appendix A, Appendix B, etc. Equation numbers in the appendices should be (A1), (A2), (B1), etc.