

# RECENT IMPROVEMENTS IN THE MOHONK WASPAA TEMPLATES

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## ABSTRACT

This is the template file for the proceedings of the 1999 IEEE Workshop on Applications of Signal Processing to Audio and Acoustics, which will be held at Mohonk Mountain House, October 17-20, 1999. This template has been generated from AES16th, WASPAA'97 and ICASSP'99 templates and aims at producing conference proceedings in electronic form. The format is essentially the one used for ICASSP conferences.

Please use either this LaTeX or the accompanying Word6.0/95 or Word97 formats when preparing your submission. All questions concerning WASPAA'99 submission should be addressed to the electronic publications chair at jyri.huopaniemi@research.nokia.com.

The templates are available in electronic form at the website: <http://www.acoustics.hut.fi/waspaa99/>. Thanks!

## 1. INTRODUCTION

This template can be found on the conference website. This template can be found on the conference website.

### 1.1. Figures

All figures should be centered on the column (or page, if the figure spans both columns). Figure captions should follow each figure and have the format given below.

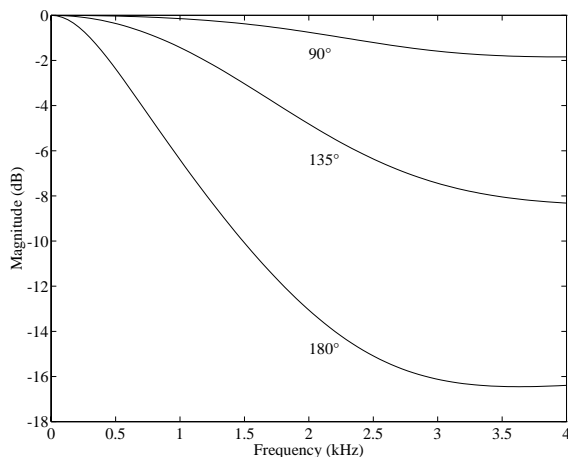


Figure 1: *Directivity measurement of a trumpet.*

## 1.2. Equations

Equations should be placed on separate lines and numbered:

$$x(t) = s(f_\omega(t)) \quad (1)$$

where  $f_\omega(t)$  is a special warping function

$$f_\omega(t) = \frac{1}{2\pi j} \oint_C \frac{\nu^{-1k} d\nu}{(1 - \beta\nu^{-1})(\nu^{-1} - \beta)} \quad (2)$$

A residue theorem states that

$$\oint_C F(z) dz = 2\pi j \sum_k \text{Res}[F(z), p_k], \quad (3)$$

Applying theorem 3 to 1, it is quite straightforward to see that

$$1 + 1 = \pi \quad (4)$$

## 1.3. Page numbers

Page numbers will be added to the document electronically, so *please leave the numbering as is*, that is, the first page will start at page W99-1 and the last page will be W99-4.

## 1.4. References

The references will be numbered in order of appearance [1] [2] [3].

### 1.4.1. Reference Format

The reference format is the standard IEEE one.

## 2. CONCLUSIONS

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### **3. REFERENCES**

- [1] Lyon, R.F., and Mead, C., "An Analog Electronic Cochlea," IEEE Trans. ASSP 36: 1119-1134, 1988. Use style "Reference".
- [2] Lee, K.-F., Automatic Speech Recognition: The Development of the SPHINX SYSTEM, Kluwer Academic Publishers, Boston, 1989.
- [3] Rudnick, A. I., Polifroni, Thayer, E H., and Brennan, R. Ar. "Interactive problem solving with speech", J. Acoust. Soc. Amer., Vol. 84, 1988, p S213(A).