

## TEMPLATES FOR DAFX20IN22, VIENNA, AUSTRIA

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### ABSTRACT

This is the template file for the proceedings of the 25<sup>th</sup> International Conference on Digital Audio Effects (DAFx20in22). This template has been derived from WASPAA'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 L<sup>A</sup>T<sub>E</sub>X or the accompanying Word formats when preparing your submission. The templates are available in electronic form on <https://dafx2020.mdw.ac.at/>.

### 1. INTRODUCTION

This template can be found on the conference website.

#### 1.1. Figures

All figures should be centred on the column (or page, if the figure spans both columns). Figure captions (in italic) should follow each figure and have the format given in Figure 1. Vectorial figures are preferred. For example when using Matlab, export using either Postscript or PDF format. Also, in order to provide a better readability, figure text font size should be at least identical to footnote font size. To do so using Matlab, use the subplot command before plotting. If bitmap figures are used, please make sure that the resolution is enough for print quality. Fig. 2 illustrates an example of a figure spanning two columns.

#### 1.2. Tables

As for figures, all tables should be centered on the column (or page, if the table spans both columns). Table captions should be in italic, precede each table and have the format given in Table 1.

Table 1: *Basic trigonometric values.*

angle ( $\theta$ , rad)	$\sin \theta$
$\frac{\pi}{2}$	1
$\pi$	0
$\frac{3\pi}{2}$	-1
$2\pi$	0

\* Thanks to the predecessors for the templates

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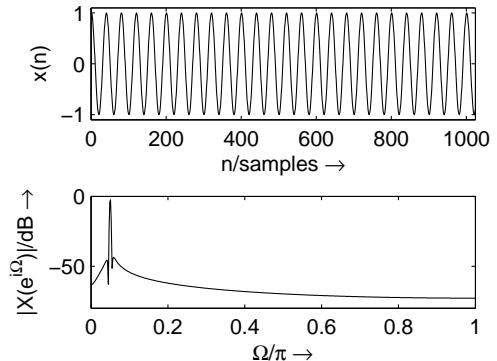


Figure 1: *Sinusoid in time and frequency domain. Short captions are centred, long captions (more than 1 line) are justified.*

#### 1.3. Equations

Equations should be placed on separate lines and numbered:

$$X(e^{j\Omega}) = \sum_{n=0}^{N-1} x(n)e^{-j\Omega n} \quad (1)$$

where the sequence  $x(n)$  in equation (1) is a windowed frame:

$$x(n) = s(n)w(n) \quad (2)$$

with a window function  $w(n)$ .

#### 1.4. Page Numbers

Page numbers will be added to the document in the postprocessing stage, so *please leave the numbering as is*, that is, the first page will start at page DAFX.1 and the last page, at most, will have to be DAFX.8.

#### 1.5. References

The references will be numbered in order of appearance [1], [2], [3] and [4]. Please avoid listing references that do not appear in the text (we did the opposite in this template).

##### 1.5.1. Reference Format

The reference format is the standard IEEE one. We recommend to use BibTeX to create the reference list.

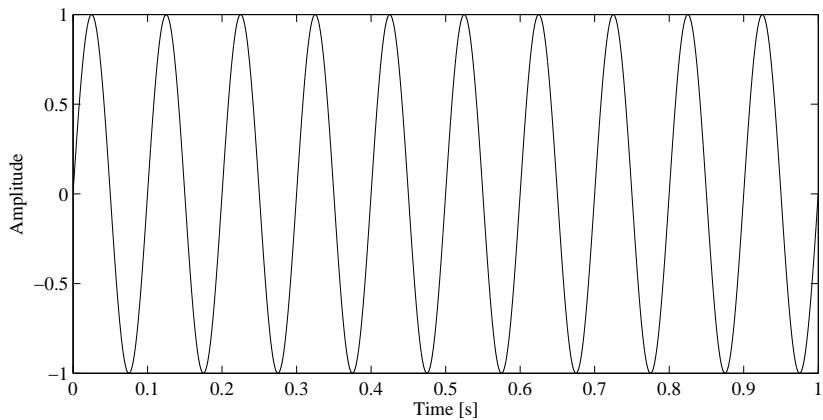


Figure 2: A figure spanning two columns, as mentioned in Sec. 1.1.

Table 2: Basic trigonometric values, spanning two columns.

angle ( $\theta$ , rad)	$\sin \theta$	$\cos \theta$	$(\sin \theta)/2$	$(\cos \theta)/2$	$(\sin \theta)/3$	$(\cos \theta)/3$
$\frac{\pi}{2}$	1	0	1/2	0	1/3	0
$\pi$	0	-1	0	-1/2	0	-1/3
$\frac{3\pi}{2}$	-1	0	-1/2	0	-1/3	0
$2\pi$	0	1	0	1/2	0	1/3

## 2. CONCLUSIONS

This template can be found on the conference website. For changing the number of author affiliations (1 to 4), uncomment the corresponding regions in the template `tex` file. Please, submit full-length papers (max. 8 pages both oral and poster presentations). Submission is fully electronic and automated through the Conference Web Submission System. DO NOT send us papers directly by e-mail.

## 3. ACKNOWLEDGMENTS

Many thanks to the great number of anonymous reviewers!

## 4. REFERENCES

- [1] S. K. Mitra and J. F. Kaiser, Eds., *Handbook for Digital Signal Processing*, J. Wiley & Sons, New York, NY, USA, 1993.
- [2] Simon Haykin, *Adaptive Filter Theory*, Prentice Hall, Englewood Cliffs, NJ, USA, second edition, 1991.
- [3] James A. Moorer, “Audio in the new millennium,” *J. Audio Eng. Soc.*, vol. 48, no. 5, pp. 490–498, May 2000.
- [4] A. Nackaerts, B. De Moor, and R. Lauwereins, “Parameter estimation for dual-polarization plucked string models,” in *Proc. Intl. Computer Music Conf.*, Havana, Cuba, Sept. 17–23, 2001, pp. 203–206.
- [5] X. Serra, *Musical Signal Processing*, chapter Musical Sound Modeling with Sinusoids plus Noise, pp. 91–122, G. D. Poli, A. Picialli, S. T. Pope, and C. Roads Eds. Swets & Zeitlinger, Lisse, Switzerland, 1996.

- [6] D. Arfib, “Different ways to write digital audio effects programs,” in *Proc. Digital Audio Effects (DAFx-98)*, Barcelona, Spain, Nov. 19–21, 1998, pp. 188–91.
- [7] A. Askewfelt, “Automatic notation of played music (status report),” Tech. Rep., STL-QPSR, Vol. 1, pp. 1–11, 1976.
- [8] E. B. Egozy, “Deriving musical control features from a real-time timbre analysis of the clarinet,” M.S. thesis, Massachusetts Institute of Technology, 1995.
- [9] P. Dutilleux, *Vers la machine à sculpter le son, modification en temps-réel des caractéristiques fréquentielles et temporelles des sons*, Ph.D. thesis, University of Aix-Marseille II, 1991.
- [10] K. Fitz and L. Haken, “Current Research in Real-time Sound Morphing,” Available at <http://www.cerlsoundgroup.org/RealTimeMorph/>, accessed March 08, 2006.

## 5. APPENDIX: MARGIN CHECK

This section shows the column margins for the text.

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