

DEMONSTRATIONS TEMPLATES FOR DAFX25

Author One *

Dept. of Information Engineering
 Università Politecnica delle Marche
 Ancona, IT
 dafx25@dii.univpm.it

ABSTRACT

This is the template file for the Demo Paper of the 28th International Conference on Digital Audio Effects (DAFx25). This template has been derived from WASPAA'99 templates and aims at producing papers in a professional and consistent format. The format is essentially the one used for ICASSP conferences. Please use either this \LaTeX or the accompanying Word formats when preparing your submission. The templates are available in electronic form on <https://dafx25.dii.univpm.it/>.

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

* Thanks to the predecessors for the templates

Copyright: © 2025 Author One et al. This is an open-access article distributed under the terms of the Creative Commons Attribution 4.0 International License, which permits unrestricted use, distribution, adaptation, and reproduction in any medium, provided the original author and source are credited.

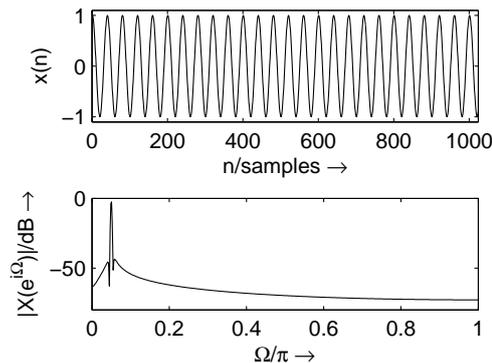


Figure 1: *Sinusoid in time and frequency domain. Short captions are centred, long captions (more than 1 line) are justified.*

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.

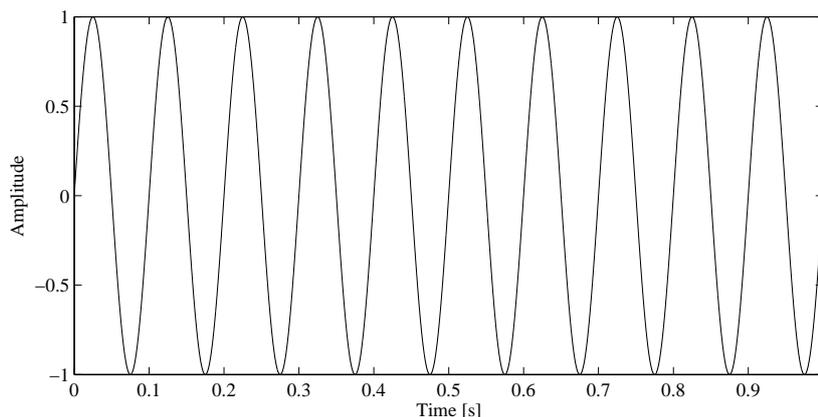


Figure 2: A figure spanning two columns, as mentioned in Sec. 1.1.

Table 2: Basic trigonometric values, spanning two columns.

angle (θ , 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
π	0	-1	0	-1/2	0	-1/3
$\frac{3\pi}{2}$	-1	0	-1/2	0	-1/3	0
2π	0	1	0	1/2	0	1/3

2. CONCLUSIONS

This template can be found on the conference website. To change the number of author affiliations (1 to 4), uncomment the corresponding regions in the template `tex` file. Please, submit papers between 2 and 4 pages. 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. Piccilli, 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. Askenfelt, “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. Dutilleul, *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.

Lorem ipsum dolor sit amet, consectetur adipisicing elit, sed eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquid ex ea commodi consequat. Quis aute iure reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint obcaecat cupiditat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.

Duis autem vel eum iriure dolor in hendrerit in vulputate velit esse molestie consequat, vel illum dolore eu feugiat nulla facilisis

at vero eros et accumsan et iusto odio dignissim qui blandit praesent luptatum zzril delenit augue duis dolore te feugait nulla facilisi. Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed diam nonummy nibh euismod tincidunt ut laoreet dolore magna aliquam erat volutpat.

Ut visi enim ad minim veniam, quis nostrud exerci tation ullamcorper suscipit lobortis nisl ut aliquip ex ea commodo consequat. Duis autem vel eum iriure dolor in hendrerit in vulputate velit esse molestie consequat, vel illum dolore eu feugiat nulla facilisis at vero eros et accumsan et iusto odio dignissim qui blandit praesent luptatum zzril delenit augue duis dolore te feugait nulla facilisi.

Nam liber tempor cum soluta nobis eleifend option congue nihil imperdiet doming id quod mazim placerat facer possim assum. Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed diam nonummy nibh euismod tincidunt ut laoreet dolore magna aliquam erat volutpat. Ut visi enim ad minim veniam, quis nostrud exerci tation ullamcorper suscipit lobortis nisl ut aliquip ex ea commodo consequat.

Duis autem vel eum iriure dolor in hendrerit in vulputate velit esse molestie consequat, vel illum dolore eu feugiat nulla facilisis.

At vero eos et accusam et justo duo dolores et ea rebum. Stet clita kasd gubergren, no sea takimata sanctus est Lorem ipsum dolor sit amet. Lorem ipsum dolor sit amet, consetetur sadipscing elitr, sed diam nonumy eirmod tempor invidunt ut labore et dolore magna aliquyam erat, sed diam voluptua. At vero eos et accusam et justo duo dolores et ea rebum. Stet clita kasd gubergren, no sea takimata sanctus est Lorem ipsum dolor sit amet. Lorem ipsum dolor sit amet, consetetur sadipscing elitr, At accusam aliquyam diam diam dolore dolores duo eirmod eos erat, et nonumy sed tempor et et invidunt justo labore Stet clita ea et gubergren, kasd magna no rebum. sanctus sea sed takimata ut vero voluptua. est Lorem ipsum dolor sit amet. Lorem ipsum dolor sit amet, consetetur sadipscing elitr, sed diam nonumy eirmod tempor invidunt ut labore et dolore magna aliquyam erat.

Consetetur sadipscing elitr, sed diam nonumy eirmod tempor invidunt ut labore et dolore magna aliquyam erat, sed diam voluptua. At vero eos et accusam et justo duo dolores et ea rebum. Stet clita kasd gubergren, no sea takimata sanctus est Lorem ipsum dolor sit amet. Lorem ipsum dolor sit amet, consetetur sadipscing elitr, sed diam nonumy eirmod tempor invidunt ut labore et dolore magna aliquyam erat, sed diam voluptua. At vero eos et accusam et justo duo dolores et ea rebum. Stet clita kasd gubergren, no sea takimata sanctus est Lorem ipsum dolor sit amet. Lorem ipsum dolor sit amet, consetetur sadipscing elitr, sed diam nonumy eirmod tempor invidunt ut labore et dolore magna aliquyam erat, sed diam voluptua. At vero eos et accusam et justo duo dolores et ea rebum. Stet clita kasd gubergren, no sea takimata sanctus est Lorem ipsum dolor sit amet.

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed eiusmod tempor incidunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquid ex ea commodi consequat. Quis aute iure reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint obcaecat cupiditat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.

Duis autem vel eum iriure dolor in hendrerit in vulputate velit esse molestie consequat, vel illum dolore eu feugiat nulla facilisis at vero eros et accumsan et iusto odio dignissim qui blandit praesent luptatum zzril delenit augue duis dolore te feugait nulla facilisi. Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed

diam nonummy nibh euismod tincidunt ut laoreet dolore magna aliquam erat volutpat.

Ut visi enim ad minim veniam, quis nostrud exerci tation ullamcorper suscipit lobortis nisl ut aliquip ex ea commodo consequat. Duis autem vel eum iriure dolor in hendrerit in vulputate velit esse molestie consequat, vel illum dolore eu feugiat nulla facilisis at vero eros et accumsan et iusto odio dignissim qui blandit praesent luptatum zzril delenit augue duis dolore te feugait nulla facilisi.

Nam liber tempor cum soluta nobis eleifend option congue nihil imperdiet doming id quod mazim placerat facer possim assum. Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed diam nonummy nibh euismod tincidunt ut laoreet dolore magna aliquam erat volutpat. Ut visi enim ad minim veniam, quis nostrud exerci tation ullamcorper suscipit lobortis nisl ut aliquip ex ea commodo consequat.

Duis autem vel eum iriure dolor in hendrerit in vulputate velit esse molestie consequat, vel illum dolore eu feugiat nulla facilisis.

At vero eos et accusam et justo duo dolores et ea rebum. Stet clita kasd gubergren, no sea takimata sanctus est Lorem ipsum dolor sit amet. Lorem ipsum dolor sit amet, consetetur sadipscing elitr, sed diam nonumy eirmod tempor invidunt ut labore et dolore magna aliquyam erat, sed diam voluptua. At vero eos et accusam et justo duo dolores et ea rebum. Stet clita kasd gubergren, no sea takimata sanctus est Lorem ipsum dolor sit amet. Lorem ipsum dolor sit amet, consetetur sadipscing elitr, At accusam aliquyam diam diam dolore dolores duo eirmod eos erat, et nonumy sed tempor et et invidunt justo labore Stet clita ea et gubergren, kasd magna no rebum. sanctus sea sed takimata ut vero voluptua. est Lorem ipsum dolor sit amet. Lorem ipsum dolor sit amet, consetetur sadipscing elitr, sed diam nonumy eirmod tempor invidunt ut labore et dolore magna aliquyam erat.

Consetetur sadipscing elitr, sed diam nonumy eirmod tempor invidunt ut labore et dolore magna aliquyam erat, sed diam voluptua. At vero eos et accusam et justo duo dolores et ea rebum. Stet clita kasd gubergren, no sea takimata sanctus est Lorem ipsum dolor sit amet. Lorem ipsum dolor sit amet, consetetur sadipscing elitr, sed diam nonumy eirmod tempor invidunt ut labore et dolore magna aliquyam erat, sed diam voluptua. At vero eos et accusam et justo duo dolores et ea rebum. Stet clita kasd gubergren, no sea takimata sanctus est Lorem ipsum dolor sit amet.

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed eiusmod tempor incidunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquid ex ea commodi consequat. Quis aute iure reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint obcaecat cupiditat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.