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| Templates for IFC-18, mainz, germany | Templates for DAFx-08, FINLAND, FRANCE |

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| Author One |
| GRAME |
| Lyon, France |
| faust@grame.fr |

ABSTRACT

This is the template file for the proceedings of the 1*st* Faust International Conference (IFC-18). This template has been derived from DAFx-16 templates and aims at producing conference proceedings in electronic form. The format is essentially the one used for ICASSP conferences. Please use either this Word or the accompanying LaTeX formats when preparing your submission. The templates are available in electronic form on <http://www.ifc18.uni-mainz.de>.

# INTRODUCTION

This template can be found on the conference website.

## 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 (e.g., Postscript, PDF, etc.). Also, in order to provide a better readability, figure text font size should be at least identical to footnote font size. If bitmap figures are used, please make sure that the resolution is enough for print quality. Figure 2 illustrates an example of a figure spanning two columns.

## 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.



Figure 1: Faust counter.

Table 1: Basic trigonometric values.

|  |  |
| --- | --- |
| angle (, rad) | sin  |
|  | 1 |
|  | 0 |
| 3 | –1 |
| 2 | 0 |

## Equations

Equations should be placed on separate lines and numbered:

where equation is a one pole filter with frequency response:

## Code

Code can be listed in a block:

process = \_;

or directly in-lined in the body of the text: process = 1;.

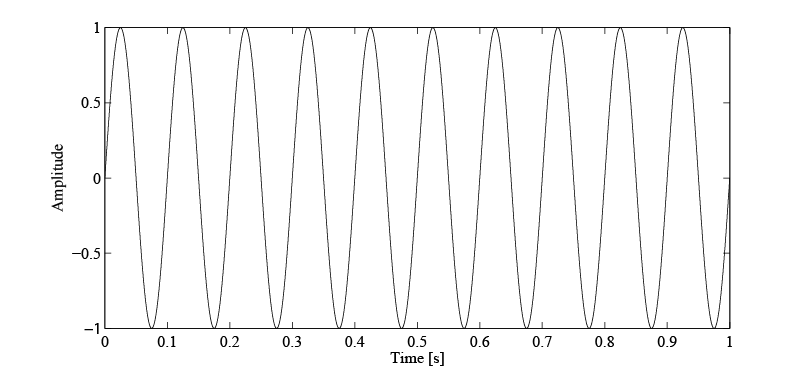


Figure 2: A figure spanning two columns, as mentioned in Sec. 1.1.

Table 2: Basic trigonometric values, spanning two columns.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| angle (*θ*, rad) | sin *θ* | cos *θ* | (sin *θ*)/2 | (cos *θ*)/2 | (sin *θ*)/3 | (cos *θ*)/3 |
| π/2 | 1 | 0 | 1/2 | 0 | 1/3 | 0 |
| π | 0 | –1 | 0 | –1/2 | 0 | –1/3 |
| 3π/ 2 | –1 | 0 | –1/2 | 0 | –1/3 | 0 |
| 2π | 0 | 1 | 0 | 1/2 | 0 | 1/3 |

## Page Numbers

Page numbers will be added to the document in the post-processing stage, so *please leave the numbering as is*.

## 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.

### Reference Format

The reference format is the standard IEEE one.

# CONCLUSIONS

This template can be found on the conference website. If you wish to include another number of authors and affiliations, please use the companion Word templates. Please, submit full-length papers (2 to 14 pages). Submission is fully electronic and automated through the Conference Web Submission System. DO NOT send us papers directly by e-mail.

# Acknowledgments

Many thanks to the great number of anonymous reviewers!

# REFERENCES

1. Yann Orlarey, Stéphane Letz, and Dominique Fober, *New Computational Paradigms for Computer* Music, chapter “Faust: an Efficient Functional Approach to DSP Programming”, Delatour: Paris, France, 2009.
2. Julius O. Smith, “Signal processing libraries for Faust,” in *Proceedings of Linux Audio Conference (LAC-12)*, Stanford, USA, May 2012.
3. Albert Gräf, “pd-faust: An integrated environment for running Faust objects in Pd,” in *Proceedings of the Linux Audio Conference (LAC-12)*, Stanford, USA, April 2012.
4. Romain Michon and Julius O. Smith, “Faust-STK: a set of linear and nonlinear physical models for the Faust programming language,” in *Proceedings of the 14th International Conference on Digital Audio Effects (DAFx-11)*, Paris, France, September 2011.

# Appendix: Margin Check

This section shows the column margins for the text.

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