

# SEAM PROJECT - SUSTAINED ELECTROACOUSTIC MUSIC

Davide Tedesco<sup>\*</sup>

SCRIME  
Université de Bordeaux, France  
ping@linuxaudio.org

Giuseppe Silvi<sup>†</sup>

CCRMA  
Stanford University, USA  
lac@ccrma.stanford.edu

## ABSTRACT

This is the template file for the proceedings of the 18<sup>th</sup> Linux Audio Conference (LAC-20). This template has been derived from DAFx-16, IFC-18, LAC-19 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 LibreOffice formats when preparing your submission.

## 1. INTRODUCTION

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 (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.



Figure 1: *Ping*.

### 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.

<sup>\*</sup> This work was supported by the XYZ Foundation

<sup>†</sup> This guy is a very good fellow

Table 1: *Basic trigonometric values.*

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

### 1.3. Equations

Equations should be placed on separate lines and numbered:

$$y(n) = b_0x(n) - a_1y(n-1) \quad (1)$$

where equation (1) is a one pole filter with frequency response:

$$H(e^{j\omega T}) = \frac{b_0}{1 + a_1e^{-j\omega T}} \quad (2)$$

### 1.4. Code

Code can be listed in a block:

```
int foo = 0;
```

or directly in-lined in the body of the text: `int foo = 1;`

### 1.5. Page Numbers

Page numbers will be added to the document in the post-processing stage, so *please leave the numbering as is* (no numbers).

### 1.6. References

The references will be numbered in order of appearance [?], [?], [?] and [?]. Please avoid listing references that do not appear in the text.

#### 1.6.1. Reference Format

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

## 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 (4 to 8 pages for full papers and 2 to 4 pages for poster papers) and keep the paper size to letter (don't change to A4). Submission is fully electronic and automated through the Conference Web Submission System. DO NOT send us papers directly by e-mail.

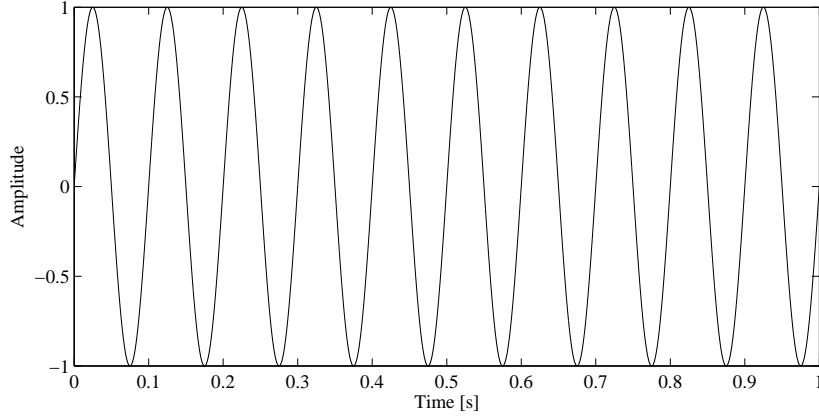


Figure 2: A figure spanning two columns, as mentioned in Sec. 1.1.

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                 | $1/3$             |

### 3. ACKNOWLEDGMENTS

Many thanks to the great number of anonymous reviewers!

### 4. 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 aliquuid ex ea commodo 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 dui dolore te feugait nulla facilisi. Lorem ipsum dolor sit amet, consectetur adipisicing elit, sed diam nonummy nibh euismod tincidunt ut laoreet dolore magna aliquam erat volutpat.

Ut wisi 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 dui 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 wisi 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 adipisicing elit, sed eius-

mod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquid ex ea commodo 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 wisi 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 wisi 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.