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# 184.754 Seminar on Algorithms

**Paper: Coloring the Vertices of 9-pt and 27-pt  
Stencils with Intervals**

Camilo Tello Fachin  
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# Outline

## Elements

- Simple Paragraphs

- Blocks

- More Blocks

- Lists

## Special

- Columns

- Code

- Footnotes

## References

Title first category

Title second category

Donec suscipit luctus lacus ut viverra. Proin molestie eros tellus, vitae elementum nulla fringilla nec. Pellentesque facilisis, elit ac egestas gravida, ante leo euismod velit, et suscipit est ex ut ex.

You can cite [?]. Urls look like this:

`http://www.google.com/`.

# Emphasize

This sentence includes `\emph{emphasized}`  
and `\alert{alerted}` words.

becomes:

This sentence includes **emphasized** and **alerted** words.

# Blocks

## Block

This is a block.

## Example

This is an example block.

## Attention

This is an alert block.

# More Blocks

theorem, proof

## Theorem

*This is a theorem.*

## Proof.

This is a proof. Donec suscipit luctus lacus ut viverra. Proin molestie eros tellus, vitae elementum nulla fringilla nec. Pellentesque facilisis, elit ac egestas gravida, ante leo euismod velit, et suscipit est ex ut ex. □

# Lists

itemize, enumerate, description

- Sed semper egestas libero vitae tempus.
  - Second level.
  - Third level.

1. Sed semper egestas libero vitae tempus.
2. Interdum et malesuada fames ac ante ipsum primis in faucibus.

**Sed** semper egestas libero vitae tempus.

**Interdum** et malesuada fames ac ante ipsum primis in faucibus.

# Figures



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Figure: Exemplary figure (TU\_Logo.pdf).



# Tables

Column 1	Column 2	Column 3
Some Data	a	1234
Some More	b	1331
Here We Go	ab	12

Table: Exemplary table.

# Columns

- Some text
- with a picture on the right
- blah blah
- more blah blah



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## Code

```
#include <stdio.h>

int main(void)
{
    (void) printf("Hello, C World\n");

    return 0;
}
```

Note: Don't forget to mark the frames using listings with [fragile].

# Footnotes

You can also place footnotes, e.g., here <sup>1</sup> and here <sup>2</sup>.

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<sup>1</sup>This is a footnote.

<sup>2</sup>This is a longer footnote going over two lines. So I've added some more blah blah. Lorem ipsum whatever.

# References

You can add references like in a LaTeX article.



[1] D. Durrman and E. Saule, "Coloring the Vertices of 9-pt and 27-pt Stencils with Intervals," 2022 IEEE International Parallel and Distributed Processing Symposium (IPDPS), Lyon, France, 2022, pp. 963-973, doi: 10.1109/IPDPS53621.2022.00098.



[2] D. Ratasich, M. Bachl, M. Platzer and C. Hirsch, "TU Wien LaTeX Beamer Theme - Template from git repository" <https://github.com/tuw-cpsg/tuw-latex-beamer-theme>