

Here is some title

And a fitting subtitle

Subject

Author Name

Affiliation

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by

Author Name

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Thesis committee:	Prof. H. Schuttelaars, Dr. A. Heinlein, F. Cumaru,	TU Delft, responsible supervisor TU Delft, daily supervisor TU Delft, daily co-supervisor
Faculty:	Faculty of Electrical Engineering, Mathematics and Computer Science	
Department:	Delft Institute of Applied Mathematics (DIAM)	

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1

Style Check



Welcome to the style check chapter.

1.1. Section

Some text. Want to see a cool figure? Check out figure 1.1.

1.1.1. Subsection



Figure 1.1: Some random caption

Subsubsection 1

Hey I am a wa and here is a cool equation that explains how wa I am, taken from [1]:

$$wa_{me} = wa_{us} - wa_{you} \quad (1.1)$$

Subsubsection 2

Paragraph Hey I am a paragraph, did you forget about the previous equation (1.1) from section 1.1.1? I am here to remind you that it exists.

Also look at this nicely formatted code snippet:

```
1 def wa():  
2     print "wa"
```

Listing 1.1: Python Code Snippet

1.1.2. Subsection 2

Hey remember the figure 1.1? It's cool right? What about the code snippet 1.1? It's also cool right? What about another equation? Here you go:

$$\exp(wa_{me}) = \exp(wa_{us}) / \exp(wa_{you}) \quad (1.2)$$

Bibliography

- [1] Filipe A. C. S. Alves, Alexander Heinlein, and Hadi Hajibeygi. *A computational study of algebraic coarse spaces for two-level overlapping additive Schwarz preconditioners*. 2024. arXiv: 2408.08187 [math.NA]. URL (cit. on p. 2).