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Automation and industry informatics



Master Thesis

Title

Subtitle

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1 Introduction

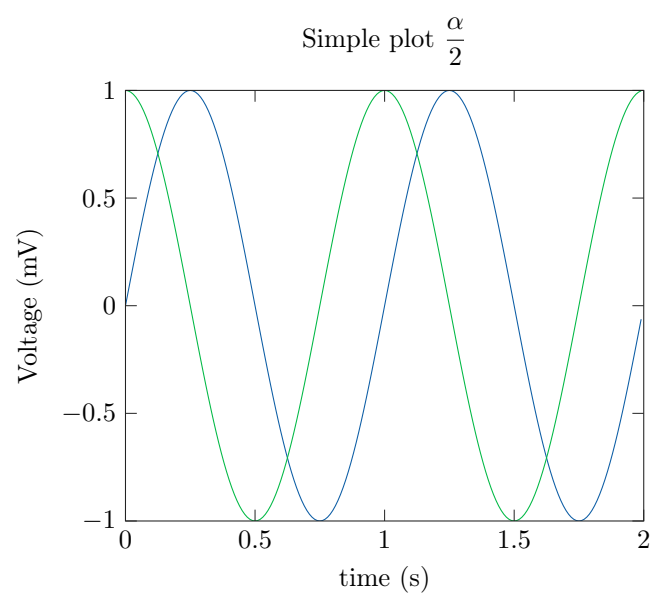


Fig. 1: Testing tikz2plot

2 Background

2.1 Supervised learning

2.2 Neural networks

2.2.1 Perceptron

2.2.2 Learning and optimalization

2.3 Recurrent neural networks

2.3.1 Vanilla version

2.3.2 Long-short-term-memories

2.3.3 Gated recurrent units

2.3.4 Other types of RNN

2.3.5 Problems using RNN

2.4 High order neural networks

2.4.1 High order neural unit

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3 Experimental Setup

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5 Conclusion

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Appendix