

MASTER'S THESIS 2026

Title

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Title

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Title

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Abstract

bla bla

Keywords: *Physics Informed Neural Network, ..., ...*

Acknowledgements

List of Acronyms

EV electric vehicle. 1

PINN physics informed neural network. 1

RMSE root-mean-squared error. 3

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1

Introduction

1.1 Background

physics informed neural network (PINN), electric vehicle (EV)

1.2 Aim and Scope

2

Theory

2.1 Overview of Batteries

2.2 Neural Networks

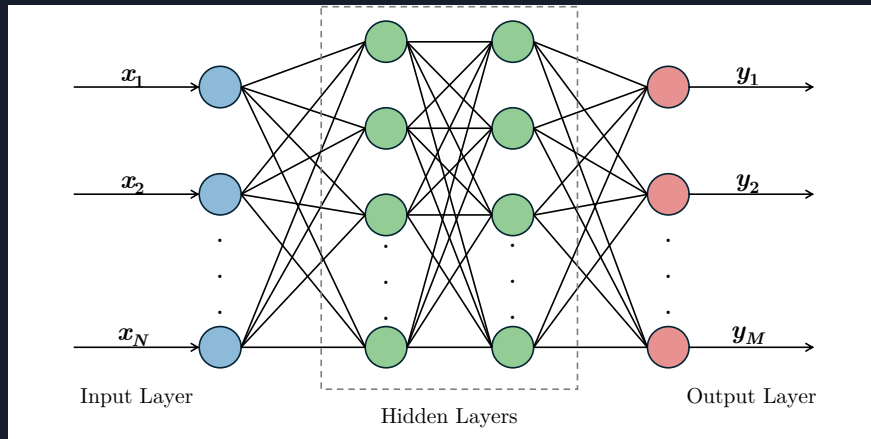


FIG 2.1: Schematic view of a neural network where each circle represents a single neuron. An input signal $\mathbf{X} = \{\mathbf{x}_i\}_{i=0}^N$ enters the model in the input layer, proceeds through the hidden layers, and exits from the output layer. This process produces an output $\mathbf{Y} = \{\mathbf{y}_i\}_{i=0}^M$, which can be interpreted as a prediction based on the input data.

Loss function, such as **root-mean-squared error (RMSE)**.

3

Method

Here's the method

4

Results and Discussion

Here are the results

5

Conclusion

Here's the conclusion

Bibliography

- [1] J. Haraldsson, “Msc thesis,” *Chalmers*, vol. 1, no. 1, 2026.

A

Appendix A: Extra Stuff

In FIG. A.1, ...



FIG A.1: hej