Project "Topic: Derivatives in Neural Networks (NN)" Title
IB3702 Mathematics for Machine Learning

Tobias Hungwe

15 November, 2025

1 Introduction

x[1]

Purpose: Introduce the motivation and general context of the topic.

Content:

Text. . .

2 Preliminaries

Purpose: Provide the mathematical background required to understand the topic

Content:

Text...

3 Methods

Purpose: Explain how it works step-by-step

Content:

Text...

4 Numerical Examples

Purpose: Provide a small illustrative example to demonstrate it in practice.

Content:

Text...

References

[1] Libretexts. 8.5.3: Eigenvalues and eigenvectors - visualizations, August 2023.