

Project 3 on Machine Learning: Solving partial differential equations with neural networks

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Abstract

This is rather abstract.

- 1 Heat equation - a physical interpretation**
- 2 Analytical solution**
- 3 Finite difference scheme - theory**
- 4 Finite difference scheme - implementation**
- 5 Neural networks**
- 6 Comparison of methods**
- 7 Eigenvalue problems**
- 8 Wrapping up**