MAP55640 Final Project

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Additional Key Words and Phrases: Keywords

1 INTRODUCTION

 Numerical methods of solving partial differential equations (PDE) have demonstrate far better performance than many other methods, such as finite difference methods (FDM) [], finite element methods (FEM) [], Lattice Boltzmann Method (LBM) [] and Monte Carlo Method (MC) []. In recent years, researchers in the field of deep learning have mainly focused on how to develop more powerful system architectures and learning methods such as convolution neural networks (CNNs) [], Transformers [] and Perceivers []. In addition, more researchers have tried to develop more powerful models specifically for numerical simulations.

- 2 RELATED WORK
- 3 PROBLEM STATEMENT
- 4 METHODOLOGY
- **5 EXPERIMENTS**
- 6 CONCLUSION
- 7 ACKNOWLEDGEMENT

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