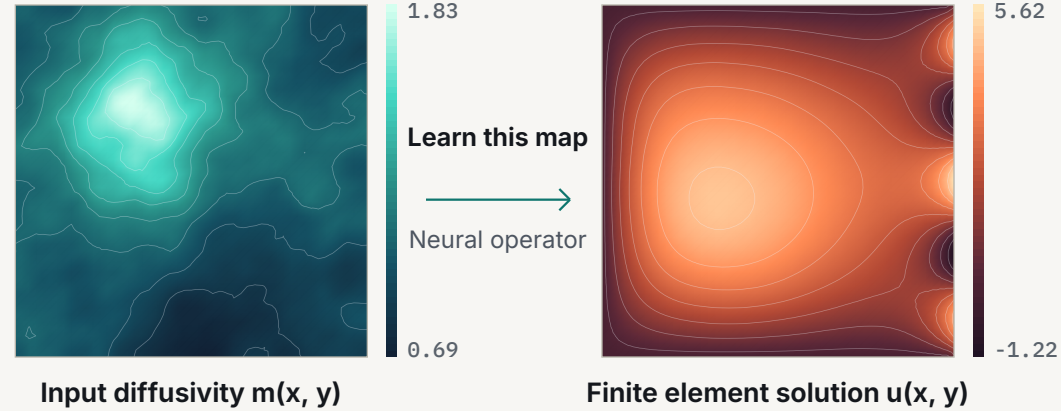
PROPOSED SHORT COURSE

Neural Operators

Foundations and Extensions

Prashant K. Jha · Danial Faghihi · Serge Prudhomme



AFTER THE COURSE

A Claude Artifact and a dedicated GitHub repository with all lecture materials.

Proposed topics

Neural operator foundations

Learn a PDE solution map from simulation data. Compare different neural operator architectures.

Bayesian neural networks

Represent uncertainty in model predictions.

Multi-level neural networks

Improve accuracy through successive corrections.

Hands-on session with Claude

Use Claude to develop and check a neural operator example.

What would help you get started?

Tell us what you would like to learn or suggest a mechanics example.

Share your ideas in the comments below.

CODE AND EXAMPLES	github.com/CEADpx/neural_operators
READING	Mathematics article · Multi-level neural networks · Bayesian neural networks
INTENDED VENUE	USNCCM19
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