

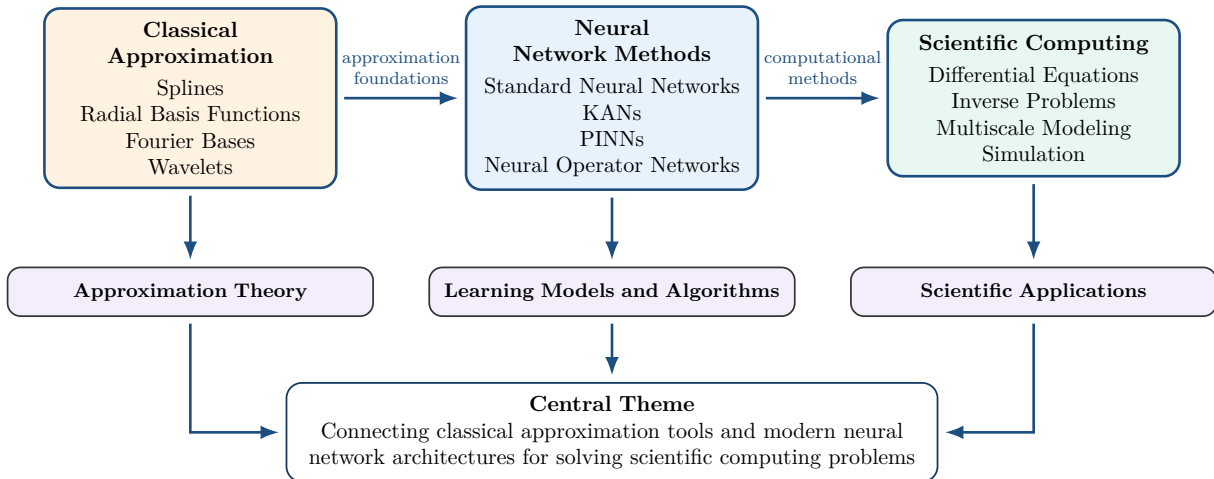
Seminar Announcement

Neural Network Methods for Scientific Computing

We are pleased to announce a seminar on **Neural Network Methods for Scientific Computing**.

This seminar focuses on neural network methods for scientific computing, with particular emphasis on **function approximation**, **physics-informed learning**, and **neural operator learning**. Classical approximation tools, including **splines**, **radial basis functions**, **Fourier bases**, and **wavelets**, will be discussed as mathematical foundations for modern neural approaches. The seminar will cover standard neural network architectures, such as multilayer perceptrons (MLPs), convolutional neural networks (CNNs), recurrent neural networks (RNNs), generative adversarial networks (GANs), and attention-based models, as well as specialized methods including **Kolmogorov–Arnold Networks (KANs)**, **Physics-Informed Neural Networks (PINNs)**, and **neural operator networks**. Their roles in scientific computing applications will also be discussed.

Seminar Roadmap



Seminar Title: Neural Network Methods for Scientific Computing

Time: Wednesdays, 15:00–16:00, beginning July 1, 2026.

Location: Online via Tencent Meeting (Meeting ID: 887-5080-0283).

Organizer: Yao Zhang

We hope to make this seminar a sustained forum for learning, discussion, and exchange.

All interested faculty members, students, and researchers are warmly welcome to attend.

For participation or further information, please contact: jaafar_zhang@163.com