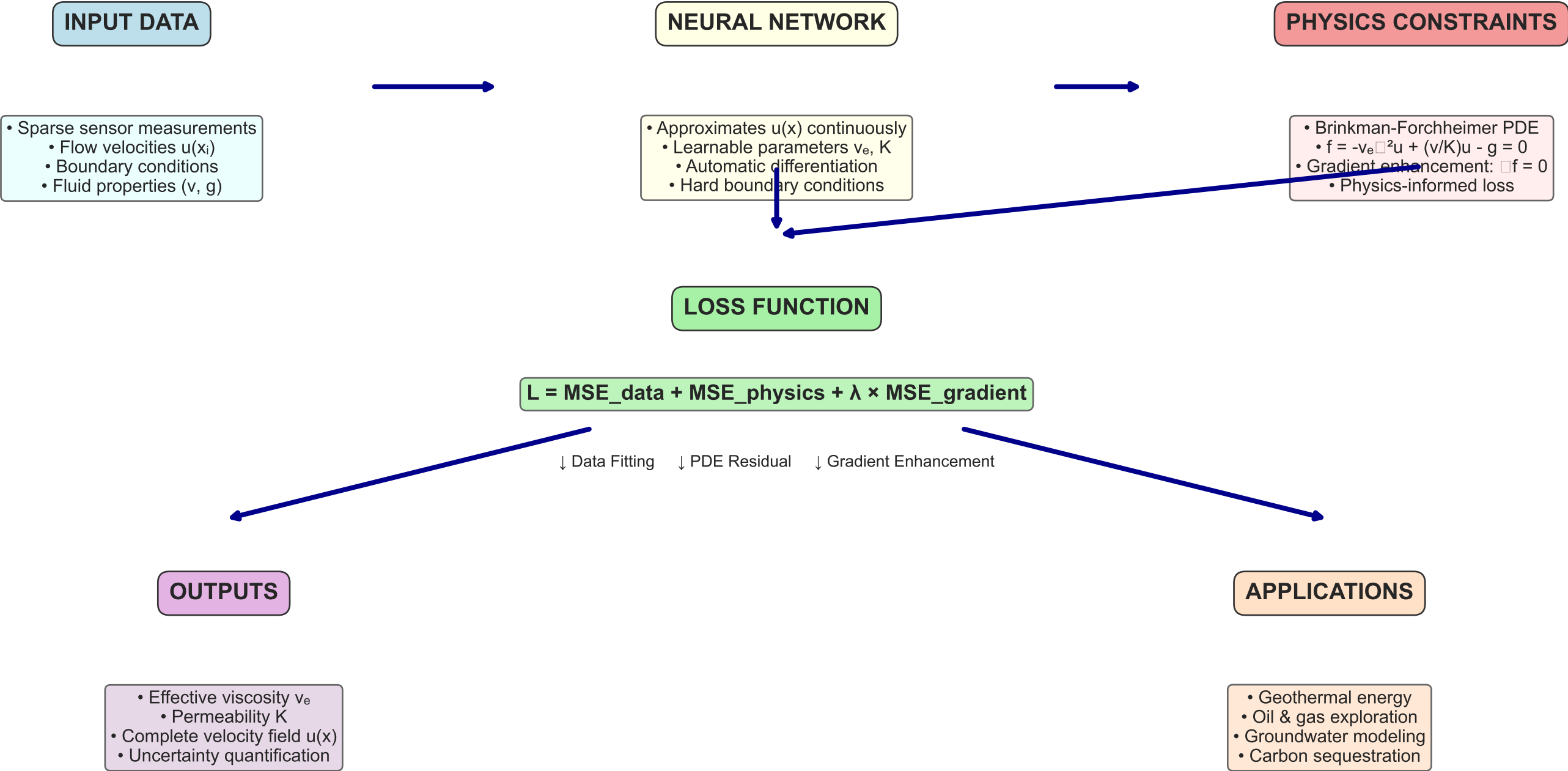


Gradient-enhanced Physics-Informed Neural Network (gPINN)

Inverse Problem: Inferring Rock Properties from Sparse Flow Measurements



KEY ADVANTAGES

- Minimal data required
- Physics-consistent results
- Parameter uncertainty
- Cost-effective