

Differentiable Physics-informed Graph Networks

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What did the authors try to accomplish?

- introduce Differential Physics-informed Graph Networks (DPGN)
- include implicit physical knowledge into NN

What were the key elements of the approach?

- modeling dynamical systems based on graph-based NNs
 - can leverage explicitly required physics
 - learn implicit patterns from data
 - temporal dependencies are learned by recurrent computation

What parts can you use yourself?

- including domain knowledge implicitly

What other references do you want to follow?

