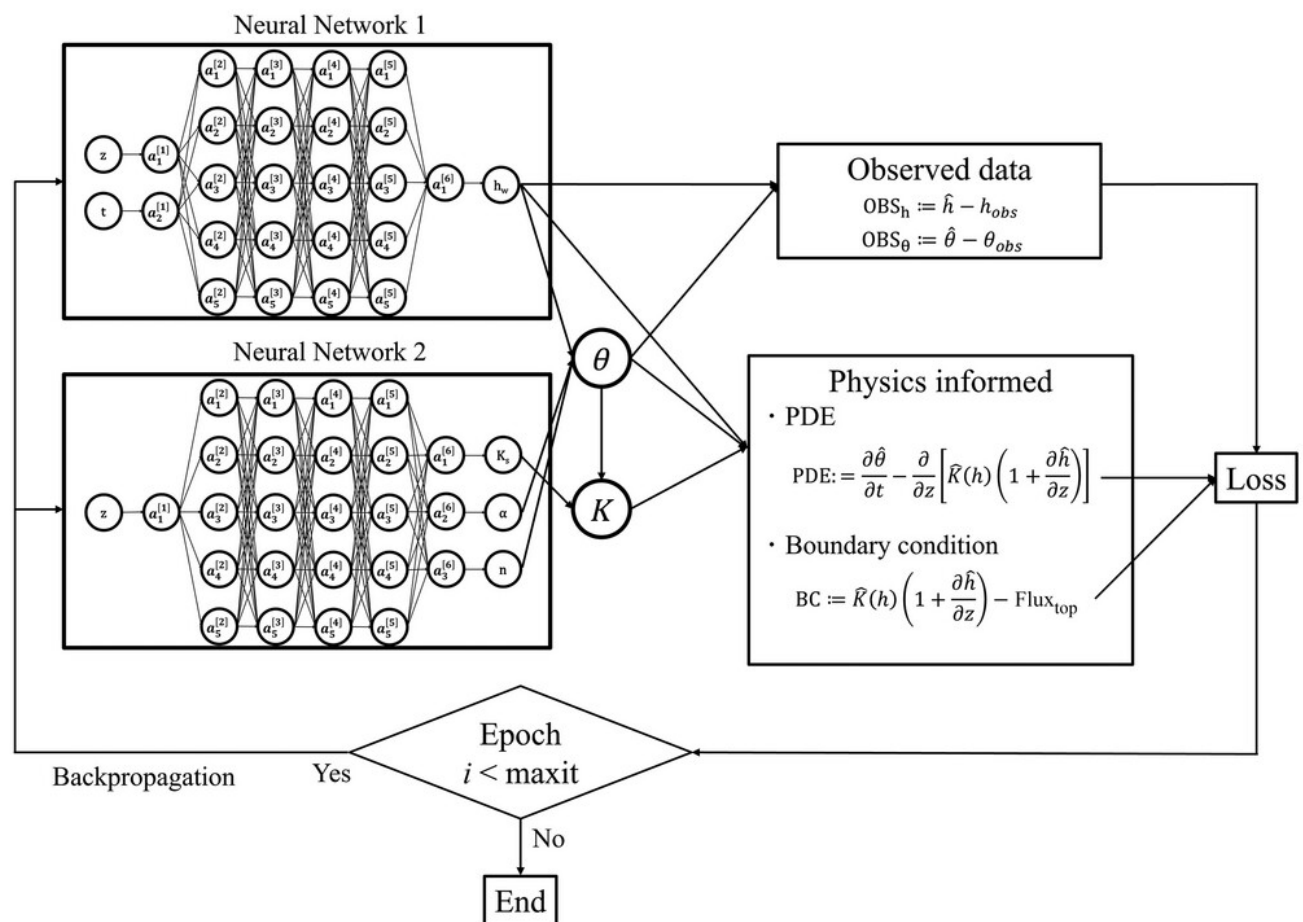




Using machine learning to estimate soil hydraulic parameters of layered profiles

February 26, 2025



Workflow of physics-informed neural networks (PINNs), proposed in a new article published in *Vadose Zone Journal*. The PINNs consist of two fully connected feedforward neural networks. Image by Koki Oikawa/Tokyo University of Agriculture and Technology.

Dig deeper

Oikawa, K., & Saito, H. (2024). Inverse analysis of soil hydraulic parameters of layered soil profiles using physics-informed neural networks with unsaturated water flow models. *Vadose Zone Journal*, 23, e20375.

<https://doi.org/10.1002/vzj2.20375>

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