

Code Sources:

"PyTorch Neural Network Demo." Google Colab, 2024,
https://colab.research.google.com/drive/11qHaSszo_mHhGGKP4ZN8zvf_ityzd3WHo.

Islam, A. (2024, November 12). *Building a physics-informed neural network (PINN) using pytorch from scratch*. Medium.
<https://medium.com/tech-spectrum/building-a-physics-informed-neural-network-pinn-using-pytorch-from-scratch-cfdb161c2a14>

Galataud, A. (2022, September 15). *Using physics-informed neural networks to solve 2D heat equation*. Foobot Technical Blog.
<https://techblog.foobot.io/ai/deeplearning/physics/pinns-heat-equation.html>

Bibliography:

Boutelba, I., Zid, S., Glouannec, P., Magueresse, A., and Youcef-Ali, S. "Experimental Data on Convective Drying of Potato Samples with Different Thickness." *Data in Brief*, vol. 18, 2018, pp. 1567–1575.
<https://doi.org/10.1016/j.dib.2018.04.065>.

Hornik, Kurt. "Approximation Capabilities of Multilayer Feedforward Networks." *Neural Networks*, vol. 4, 1991, pp. 251–257.

Purlis, Emmanuel. "Simple Modelling of Time-Temperature Profiles in Food during Baking." *Applied Food Research*, vol. 3, no. 1, June 2023, p. 100271.
<https://doi.org/10.1016/j.afres.2023.100271>.

Raissi, Maziar, Paris Perdikaris, and George E. Karniadakis. "Physics-Informed Neural Networks: A Deep Learning Framework for Solving Forward and Inverse Problems Involving Nonlinear Partial Differential Equations." *Journal of Computational Physics*, vol. 378, Feb. 2019, pp. 686–707.
<https://www.sciencedirect.com/science/article/pii/S0021999118307125?via%3Dihub>

Shin, Yeonjong, Jérôme Darbon, and George Em Karniadakis. "On the Convergence of Physics-Informed Neural Networks for Linear Second-Order Elliptic and Parabolic Type PDEs." *arXiv preprint arXiv:2004.01806v2*, 2020,
<https://arxiv.org/abs/2004.01806>.