This section provides an overview of the contents of the **pinn\_package** folder and instructions on how to use them:

**PINN**: Contains the **pinn\_solver.ipynb** file, a Jupyter Notebook script. Once the required dependencies are installed, you can run this script directly for PINN training and prediction. The **PINN\_data** folder includes the training dataset.

**Pinn\_build\_train\_input**: Used for generating training data. The main script for this process is **training\_data\_generation.m**.

**Reference**: Contains reference materials related to this lab, with a primary focus on the paper "Wavefield Solutions from Machine-Learned Functions Constrained by the Helmholtz Equation."