

$P \in N N Y L A N E$

A cross-platform Python library for quantum machine learning, automatic differentiation, and optimization of hybrid quantum-classical computations

<u>Learn</u>

Sit back and learn about the field of quantum machine learning, explore key concepts, and view our selection of curated videos.

Quantum machine learning >>>

<u>Play</u>

Tutorials to introduce core QML concepts, including quantum nodes, optimization, and devices, via easy-to-follow examples.

<u>Demos</u>»

<u>Code</u>

Get started with PennyLane using our quickstart guides, learn how to develop a plugin, and browse the full API.

Documentation >>

PennyLane supports a growing ecosystem, including a wide range of quantum hardware and machine learning libraries



