**Theano** is a Python library and optimizing compiler for manipulating and evaluating mathematical expressions, especially matrix-valued ones. [It allows computations expressed in a NumPy-esque syntax to be efficiently executed on either CPU or GPU architectures1](https://en.wikipedia.org/wiki/Theano_%28software%29). If you’re keen on diving into Theano, here are **five free resources** to get you started:

1. [**Wikipedia - Theano (software)**](https://en.wikipedia.org/wiki/Theano_%28software%29): This page provides an overview of Theano’s history, features, and usage.
2. [**Introduction to the Python Deep Learning Library Theano**](https://machinelearningmastery.com/introduction-python-deep-learning-library-theano/): A concise introduction to Theano, explaining its role in deep learning.
3. [**Theano: A Python framework for fast computation of mathematical expressions**](https://arxiv.org/abs/1605.02688): A research paper that delves into the technical details of Theano’s capabilities.
4. **Theano GitHub Repository**: Explore the code, documentation, and community contributions.
5. **Theano Documentation**: Dive into the official documentation to learn about installation, usage, and examples.

Happy learning! 🚀📚