

What's new with Vector? First major release is out!

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Vector is a Python library for 2D, 3D, and Lorentz vectors, especially arrays of vectors, designed to solve common physics problems in a NumPy-like way. Vector currently supports pure Python Object, NumPy, Awkward, and Numba-based (Numba-Object, Numba-Awkward) backends.

Vector had its first major release shortly after PyHEP 2022, and there have been several new and exciting updates along and after v1.0.0, including, but not limited to, new constructors, better error handling, fewer bugs, and awkward v2 support.

This lightning talk will cover the recent advancements in vector and how it still seamlessly integrates and is up-to-date with the rest of the Scikit-HEP ecosystem.

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