



Cython

Kurt W. Smith

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Build software that combines Python's expressivity with the performance and control of C (and C++). It's possible with Cython, the compiler and hybrid programming language used by foundational packages such as NumPy, and prominent in projects including Pandas, h5py, and scikits-learn. In this practical guide, you'll learn how to use Cython to improve Python's performance—up to 3000x— and to wrap C and C++ libraries in Python with ease.

Author Kurt Smith takes you through Cython's capabilities, with sample code and in-depth practice exercises. If you're just starting with Cython, or want to go deeper, you'll learn how this language is an essential part of any performance-oriented Python programmer's arsenal.

- Use Cython's static typing to speed up Python code
- Gain hands-on experience using Cython features to boost your numeric-heavy Python
- Create new types with Cython—and see how fast object-oriented programming in Python can be
- Effectively organize Cython code into separate modules and packages without sacrificing performance
- Use Cython to give Pythonic interfaces to C and C++ libraries
- Optimize code with Cython's runtime and compile-time profiling tools
- Use Cython's prange function to parallelize loops transparently with OpenMP

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Do you have something that you enjoy such as book? The reserve lovers usually prefer to opt for book like comic, short story and the biggest the first is novel. Now, why not trying Cython that give your pleasure preference will be satisfied by simply reading this book. Reading practice all over the world can be said as the opportunity for people to know world considerably better then how they react toward the world. It can't be explained constantly that reading practice only for the geeky particular person but for all of you who wants to always be success person. So , for all of you who want to start looking at as your good habit, you may pick Cython become your own personal starter.

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