
OEIS tools Documentation

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Introduction

This documentation is about a suite of tools to interact with the [Online Encyclopedia of Integer Sequences](#) (denoted with **OEIS** for short).

Such suite provides both *programming interfaces* and *command-line programs* to collect, print and represent connections among sequences of numbers available in the OEIS, aiming to store data and do computations locally. In particular, it comprises the following components:

- a **crawler**, which fetches sequences recursively, implemented with *asynchronous* schemas to increase the degree of parallelism and, finally, saving data in *json* files;
- a **pretty printer**, which parses saved data and shows them in both *Markdown* or *ascii* formats, providing filter and search capabilities;
- a **grapher**, which builds graphs according to relations among sequences in the sense of *cross-references* OEIS sections.

All the implementation is written in pure Python for flexibility and portability.

Note: to run the current version of the **crawler** it is mandatory to have Python 3.6 on the working machine to benefits of latest `async/await` language primitives for asynchronous computations.

Indices and tables

- `genindex`
- `modindex`
- `search`