
AssimpCy Documentation

Release 1.0.0

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Oct 20, 2021

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CHAPTER 1

Installation

- First, be sure to download, compile and install Assimp, from the official page:

<http://www.assimp.org/>

You'll need Cmake, and Microsoft Visual Studio for Windows or Gcc for Linux and Mac (optionally, Mingw-w64).

- Second, install Numpy with:

```
pip install numpy
```

- Third, download the zip package from

<https://github.com/jr-garcia/AssimpCy>

If you placed the headers and libraries in the default locations, extract the file and run:

```
python setup.py build_ext
```

If setup can't find the headers or you placed them somewhere else, run:

```
python setup.py build_ext -I'path/to/assimp/headers' -L'path/to/library/'
```

Attention: If you get an error saying: .. error:

```
Cannot open include file: 'types.h':
```

Be sure that the path to headers ends with 'assimp'

Cython is only necessary to rebuild the .cpp files, which you can do with:

```
python setup.py build_ext --force
```

Finally, run:

```
python setup.py install
```

To install the package. Check ***basic_demo.py*** for a simple example or read *Usage*.

CHAPTER 2

Usage

Todo.

CHAPTER 3

About

AssimpCy aims to be a fast binding for [Assimp](#) .It makes extensive use of memcpy function to achieve this goal, leading to awesome speed ups over **Pyassimp** <<https://pypi.python.org/pypi/pyassimp>>‘_.

To check this claim, install `Pyassimp` and the run:

```
versus_demo.py
```

The simplest way to start using AssimpCy is to do:

```
pip install AssimpCy
```

If this does not work, please refer to [Installation](#) for alternate methods and info.

CHAPTER 4

USAGE

Check `*basic_demo.py*` for a simple example or read *Usage*.

Note: There is no need to release the scene. This job is performed by `aiImportFile()`
