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# Pyjuggling

*Release 0.1.6*

June 14, 2016



<b>1</b>	<b>Getting Started</b>	<b>3</b>
1.1	Installing Pyjuggling . . . . .	3
1.2	Introduction to Pyjuggling . . . . .	3
1.3	Examples . . . . .	3
<b>2</b>	<b>Reference</b>	<b>5</b>
2.1	Notations . . . . .	5
2.2	Pattern . . . . .	5
<b>3</b>	<b>Contribute</b>	<b>7</b>
<b>4</b>	<b>License</b>	<b>9</b>
4.1	Indices and tables . . . . .	9
	<b>Python Module Index</b>	<b>11</b>



**PyJuggling** is a library.....

See the [examples](#) to get a good feel for what Pyjuggling offers. Source can be found on [github](#).



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## Getting Started

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*Getting Started* will guide you through pyjuggling and introduce you to the pieces of the system. From there, visit the [Reference](#) for in-depth information.

### 1.1 Installing Pyjuggling

Pyjuggling can be installed with `pip`:

```
$ pip install pyjuggling
```

### 1.2 Introduction to Pyjuggling

Pyjuggling has a number of modules that you'll need to be at least familiar with:

**Notations** describe notations

**Patterns** describe patterns

### 1.3 Examples

The easiest way to get started to check out the examples in the [examples](#) folder in the [the repository](#). Then check out the [Reference](#) for more information.





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## Reference

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### 2.1 Notations

**class** `juggling.notation.Siteswap` (*notation\_pattern*, *raise\_invalid=False*)  
Siteswap notation

### 2.2 Pattern

**class** `juggling.pattern.Pattern` (*pattern*)  
The base representation of any juggling pattern, regardless of notation. A *Pattern* looks and acts like a list, but has some specific constraints about how data can be stored in it.

```
>>> p = Pattern([4, 4, 1])
>>> p.is_symmetric == True
>>> p.period == 3
>>> p.is_excited == False
```

**is\_asymmetric**

Returns True if this pattern is asymmetric, the pattern repeats with the same hand

**is\_symmetric**

Returns True if this pattern is symmetric, the pattern repeats with the opposite hand

**starting\_with** (*throw*)

return the pattern if started with throw at index *throw*



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### Contribute

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If you'd like to contribute, simply fork [the repository](#), commit your changes to the **master** branch (or branch off of it), and send a pull request. Make sure you add yourself to [AUTHORS](#).



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### License

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Pychievements is license under the MIT license. You can find it in github, [LICENSE](#)

### 4.1 Indices and tables

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



## j

`juggling.notation`, 5  
`juggling.pattern`, 5





## I

`is_asymmetric` (`juggling.pattern.Pattern` attribute), [5](#)  
`is_symmetric` (`juggling.pattern.Pattern` attribute), [5](#)

## J

`juggling.notation` (module), [5](#)  
`juggling.pattern` (module), [5](#)

## P

`Pattern` (class in `juggling.pattern`), [5](#)

## S

`Siteswap` (class in `juggling.notation`), [5](#)  
`starting_with()` (`juggling.pattern.Pattern` method), [5](#)