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# **plasma.py-addon-hello**

***Release 0.1.dev19+ge06aba2.d20200419***

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# CHAPTER 1

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## About

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The `plasmapy-addon-hello` package is setup to demonstrate how an independent python distributions can extend the capabilities of `plasmapy.formulary`.

Why does `plasmapy` need addon packages? Why are these extensions not included in the main `plasmapy` distribution? PlasmaPy sets out to provide a broad toolkit to support as many corners of plasma research and education as possible. A result of this, PlasmaPy focuses on providing the most commonly needed features for the community. With that said, we do see the benefit and need for specialized features like interface related to a certain research lab, analysis routines for a specific diagnostic, an interface to a simulation code, etc. These addon packages allow for these features to be independently developed, but still be accessible through `plasmapy`. PlasmaPy we develop some of these addon features, but we hope the community will also develop addons to make PlasmaPy more powerful. This addon framework also allows for the main `plasmapy` distribution to stay “light-weight” and allow users to install the extra addon features they would like.



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## plasmaPy\_addon\_hello Package

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The *plasmaPy-add-hello* package is an example demonstrating how to setup an independent (from PlasmaPy) distribution that extends the capabilities of PlasmaPy. This is done by utilizing the *plasmaPy.addons* *entry\_points* setup in the *plasmaPy* package. To see the actually setting of the entry points look form the *[options.entry\_points]* heading in this distributions ‘*setup.cfg* file <>’.

### 2.1 Functions

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*hello*(width)

Print to screen the *HELLO\_STATEMENT*.

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#### 2.1.1 hello

`plasmaPy_addon_hello.hello (width: int = 80)`

Print to screen the *HELLO\_STATEMENT*.

**Parameters** *width* (*int*, *optional*) – set the width of the printed text (default 80)

### 2.2 Variables

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*HELLO\_STATEMENT*

*plasmaPy-add-hello*’s hello statement

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#### 2.2.1 HELLO\_STATEMENT

`plasmaPy_addon_hello.HELLO_STATEMENT = "Hello...I'm an example of a PlasmaPy addon package  
plasmaPy-add-hello's hello statement"`





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## CHAPTER 4

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### Module Index

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### Installing

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### Configuration of `entry_points`

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