# eflatun uav

Release 0.0.2

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eflatun\_uav

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**CHAPTER** 

**ONE** 

# **EFLATUN\_UAV**

#### **Modules**

```
eflatun_uav.filters Filter implementations for moving objects eflatun_uav.helpers
```

# 1.1 eflatun\_uav.filters

Filter implementations for moving objects

### **Classes**

```
BaseFilter(input_size, output_size)
                                                         Base Filter object for Filter module
class eflatun_uav.filters.BaseFilter(input_size: List, output_size: List)
      Bases: object
      Base Filter object for Filter module
      __init__(input\_size: List, output\_size: List) \rightarrow None
           _summary_
               Parameters
                    • input_size (List) - _description_
                    • output_size (List) - _description_
     predict() \rightarrow ndarray
           _summary_
               Raises
                   NotImplementedError - _description_
               Returns
                   _description_
               Return type
                   np.ndarray
```

```
update(input_state: ndarray)
    _summary_

Parameters
    input_state (np.ndarray) - _description_

Raises
    NotImplementedError - _description_
```

# 1.2 eflatun\_uav.helpers

### **Modules**

- Cl - +	This was data seems for since assisting to a
eflatun_uav.helpers.number_generators	This module creates numbers for given variable type of
	inputs

# 1.2.1 eflatun\_uav.helpers.number\_generators

This module creates numbers for given variable type of inputs

### **Functions**

<pre>convert_string_to_float(string)</pre>	Converts a string to a deterministic random float representation between 0 and 1.
<pre>convert_string_to_int(string, *[, base])</pre>	Converts a string to an deterministicly random integer representation using the specified base.

 $\texttt{eflatun\_uav.helpers.number\_generators.convert\_string\_to\_float}(\textit{string: str}) \rightarrow \texttt{float}(\textit{string: str}) \rightarrow \texttt{float}(\textit{string$ 

Converts a string to a deterministic random float representation between 0 and 1.

Works better for texts longer than 5 letters.

#### **Parameters**

**string** (str) – The input string to be converted to a float.

### Returns

The float representation of the input string between 0 and 1.

### Return type

float

## **Example**

```
>>> convert_string_to_float("Hello, World")
0.3350260018341942
>>> convert_string_to_float("Hi, World?")
0.8893743173684925
>>> convert_string_to_float("Hi, World")
0.03764671504177386
```

eflatun\_uav.helpers.number\_generators.convert\_string\_to\_int(string: str, \*, base: int | None = 256)  $\rightarrow$  int

Converts a string to an deterministicly random integer representation using the specified base.

Works better for texts longer than 5 letters.

#### **Parameters**

- **string** (*str*) The input string to be converted to an integer.
- **base** (Optional[int], optional) The base to be used for the conversion. Defaults to 256.

#### Raises

**ValueError** – If the base is not an integer or if it is 0, -1, or 1.

#### Returns

The integer representation of the input string.

### Return type

int

## **Example**

```
>>> convert_string_to_int("Hello, World!")
157
>>> convert_string_to_int("Hello, World")
84
>>> convert_string_to_int("Hello, World!", base = 36)
13
```

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