
Your Project Documentation

Release 0.1

Your Name

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FSPSIM PACKAGE

1.1 Subpackages

1.1.1 fspsim.utils package

Submodules

fspsim.utils.Conversions module

fspsim.utils.Formatting module

`fspsim.utils.Formatting.calculate_form_factor` (*form_factor_str*)

reads a string describing the form factor of satellties in a sub constellation and returns characteristic length and area of to populate the SpaceObject class metadata return error if form factor is not a string

Parameters

form_factor_str (*string*) – string describing the form factor of satellties

Raises

ValueError – Form factor must be a string

Returns

characteristic length, characteristic area

Return type

tuple

`fspsim.utils.Formatting.future_constellations_csv_handler` (*file_path*)

Checks that the user supplied Future Constellation CSV is in the correct format for the simulation

Parameters

file_path (*str*) – File Path of the CSV

Returns

Dictionary of the constellations in a format the fspsim can read.

Return type

dict

`fspsim.utils.LaunchModel` module

`fspsim.utils.Propagators` module

`fspsim.utils.SpaceCatalogue` module

`fspsim.utils.SpaceObject` module

Module contents

1.2 Submodules

1.3 `fspsim.simulate` module

1.4 Module contents

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