EMBERS Documentation

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Experimental Measurement of BEam Responses with Satellites

EMBERS is a python package which provides a modular framework for radio telescopes and interferometric arrays such as the MWA, HERA, and the upcoming SKA-Low to accurately measure the all sky polarised beam responses of their antennas using weather and communication satellites. This tool was designed to enable astronomers and system engineers, all over the world, to characterize the in-situ antenna beam patterns of large arrays with ease. The methodology of the experimental setup can be found in the following paper [Coming soon].

- Written in pure Python and installs without any compilation
- Supports Python 3.6-3.9

CHAPTER 1

Documentation

Embers documentation lives here at the main embers web site:

- toc
- installation
- embersbyexample
- api

The source code and issue tracker live on other web sites:

- Embers on the Python Package Index
- GitHub repository
- GitHub issue tracker