
Fusion Data Framework Documentation

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CONTENTS

1	About FDF	2
2	User Guide	3
3	Modules and classes	4
3.1	Classes	4
3.2	Usage	4
3.3	Classes	4
4	License	5
5	Classes	6
6	Usage	7
7	Classes	8
8	Indices and tables	9
	Python Module Index	10
	Index	11

Fusion Data Framework (FDF) is a data access, management, and visualization framework for magnetic fusion experiments.

Repository: <https://github.com/Fusion-Data-Framework/fdf>

Documentation: [PDF](#)

ABOUT FDF

Fusion Data Framework (FDF) is a data access, management, and visualization framework for magnetic fusion experiments.

Repository: <https://github.com/Fusion-Data-Framework/fdf>

Documentation: [HTML](#) or [PDF](#)

Submit bugs or feature requests: <https://github.com/Fusion-Data-Framework/fdf/issues>

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To contribute to the FDF project, please contact John, David, Kevin, or Howard.

CHAPTER
TWO

USER GUIDE

MODULES AND CLASSES

factory.py - root module for the FDF package.

3.1 Classes

Machine - root class for the FDF package Shot - shot container class Logbook - logbook connection class Container - diagnostic container class Node - mdsplus signal node class FdfError - error class for FDF package

3.2 Usage

```
>>> import fdf
>>> nstx = fdf.Machine('nstx')
>>> nstx.s140000.logbook()
>>> nstx.addshots(xp=1048)
>>> nstx.s140000.mpts.plot()
```

Created on Thu Jun 18 10:38:40 2015 @author: ktritz fdf-signals.py - module containing Signal class

3.3 Classes

Signal - signal class for data objects

Created on Tue Jun 23 2015

@author: hyuh fdf_globals.py contains package-level constants

Created on Thu Jun 18 11:18:16 2015

@author: ktritz

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THE SOFTWARE IS PROVIDED “AS IS”, WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE. `factory.py` - root module for the FDF package.

CLASSES

Machine - root class for the FDF package Shot - shot container class Logbook - logbook connection class Container - diagnostic container class Node - mdsplus signal node class FdfError - error class for FDF package

USAGE

```
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INDICES AND TABLES

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

f

factory, 4
fdf_globals, 4
fdf_signal, 4

F

factory (module), 4, 5
fdf_globals (module), 4, 8
fdf_signal (module), 4, 7