Fusion Data Framework Documentation Release 0.0.0

John Schmitt, David R. Smith, Kevin Tritz, Howard Yuh

CONTENTS

1	About FDF	2
2	User Guide	3
3	License	4
4	Classes	5
5	Usage	6
6	Classes	7
7	Indices and tables	8
Ind	dex	9

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

CONTENTS 1

ONE

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

Created by:

- John Schmitt, Princeton Plasma Physics Lab
- David R. Smith, U. Wisconsin-Madison
- Kevin Tritz, The Johns Hopkins U.
- Howard Yuh, Nova Photonics

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

CHAPTER	
TWO	

USER GUIDE

THREE

LICENSE

The MIT License (MIT)

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The above copyright notice and this permission notice shall be included in all copies or substantial portions of the Software.

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.

FOUR

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

FIVE

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

SIX

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

SEVEN

INDICES AND TABLES

- genindex
- modindex
- search

F

factory (module), 4 fdf_globals (module), 7 fdf_signal (module), 6