

PSLF Training

Python Programming for PSLF

(3 Day Class – 12 Training Hours)

Training objectives:

Enable the participants in the class to effectively use Python Programming for PSLF.

Day 1: Basics of Python language and setup Python for PSLF

- Programming syntax
- Programming structure and design
- Error messages
- Interactive execution of Python scripts
- How to write code that is
 - Reliable
 - Efficient
 - Reusable
- Exercises
- Setting up Python for PSLF

Day 2: PSLF and Python interaction

- Familiarize Python with PSLF by comparing with EPCL
- Access PSLF commands
- Access PSLF functions
- Batch mode execution of PSLF with multiple instances of PSLF running.

Day 3: Python API for PLOT

- Introduction to PLOT commands and functions
- Access PLOT commands and functions
- Batch mode execution for PLOT functionalities
- Conclusion and Q&A

Table of Contents for Class:

- 1 The General Electric – Energy Consulting Group Software Products Team
- 2 Overview
- 3 Python variables
- 4 Programming Structure, Input/Output, Interactive Execution & Error Messages
- 5 Access to PSLF Commands thru Python
- 6 Access to PSLF Functions thru Python
- 7 Access of PLOT Functions and Commands thru Python
- 8 Applications
- 9 Batch Mode
- 10 Hints

Recommended prior knowledge:

Basic knowledge of PSLF package is essential. Background in power systems analysis, Knowledge of a text editor such as Textpad, Familiarity with Microsoft Windows®.

Note: The course is held in English. Class subject to change. Class times are 8-noon, Pacific.

For more information visit: www.geenergyconsulting.com



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