



PSLF Training

Python Programming for PSLF

(2 Day Class – 8 Training Hours)

Training objectives:

Enable the participants in the class to effectively use PSLF to conduct transient stability analyses.

Day 1: Basics of Python language

- Programming syntax
 - Variables
 - Program structure
 - Input/Output
 - Decisions
 - Loops
 - Objects
- Programming structure and design
- Error messages
- Interactive execution of Python scripts
- How to write code that is
 - Reliable
 - Efficient
 - Reusable
- Exercises and conclusion

Day 2: PSLF and Python interaction

- Setting up PSLF folder structure
- Interactive execution of Python scripts with PSLF
 - Execute Python scripts thru PSLG GUI
 - Execute Python scripts externally (view results in GUI)
- Access PSLF commands
- Access PSLF functions
- Batch mode execution of PLSF with multiple PSLF instances running
- Access PLOT commands and functions using Python API
- Exercises and conclusion

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
11. Thing

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

Positive Sequence Load Flow Training | PSLF