



INSTITUTO DE ENERGÍA ELÉCTRICA

py_open_dsse

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py_open_dsse is an application for state estimation in distribution systems, developed within the OpenREiD (c) project (Integral software for simulation and optimization of electrical distribution networks), of the Instituto de Energía Eléctrica (IEE), UNSJ - CONICET, San Juan - Argentina.

Version 0.1.0

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This first beta version allows to performance state estimation in single-phase distribution systems with nonlinear methods with and without phasor and linear measurements. In the case of multiphase networks, the positive sequence equivalent is obtained and the estimated state is obtained with a nonlinear method with or without phasor measurements.

Source Code

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All the source code of the py_open_dsse tool is accessible and distributed compressed in ZIP and is available in the GitHub and Source Forge repositories.

Third-Party Components

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- + OpenDSS (OpenDSSEngine.DLL Version 9.4.1.1) (x64) License: BSD.
- + Python Version: 3.8.10 (x64) License: Python Software Foundation License.
- + Python Plugins, Supported Versions, and Opensource Licenses.

System Requirements

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- Microsoft Windows 10-64bit.
- Pentium compatible PC (Intel Core i5 or higher).
- 2 GB RAM (4 GB RAM recommended).
- At least 4 GB available on the hard disk.

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Credits

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