PFNET Matlab Documentation

Release 1.0

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September 16, 2015

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Welcome! This is the documentation for the Matlab wrapper of PFNET, last updated September 16, 2015.

What is PFNET?

PFNET is a library for modeling and analyzing electric power networks. It provides data parsers, network visualization routines, and fast and customizable constraint and objective function evaluators for modeling network optimization problems.

License

PFNET is released under the BSD 2-clause license.

Citing

If you use PFNET in your work, please cite the software as follows:

```
@misc{pfnet,
   author={Tomas Tinoco De Rubira},
   title={{PFNET}: A library for modeling and analyzing electric power networks},
   howpublished={\url{https://github.com/ttinoco/PFNET}},
   month={July},
   year={2015}
}
```

Contact

If you have any questions about PFNET or if you are interested in collaborating, send me an email:

- Tomas Tinoco De Rubira (ttinoco5687@gmail.com).

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GETTING STARTED

This section describes how to get started with PFNET in Matlab. In particular, it covers required packages, installation, and provides a quick example showing how to use this package.

1.1 Dependencies

PFNET for Matlab has the following dependencies:

- PFNET: underlying C routines wrapped by this package (`libpfnet`).
- Graphviz (>= 2.38): graph visualization library (`libgvc`) (Optional).
- Raw parser (>=1.0): library for parsing power flow files in PSSE raw format version 32 (`libraw_parser`) (Optional).

1.2 Download

The latest version of PFNET can be downloaded from https://github.com/ttinoco/PFNET.

1.3 Installation

1.4 Example

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- *modindex*
- *search*

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