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PySSD (Python Solver for Stability Diagrams)

Short description

Numerical solver for stability diagrams based on the beam distribution and the amplitude detuning from analytical formulas or interfaced with tracking codes, respectively SixTrack and MadX.

Web resources

- Sources [↗](#)
- CWG presentation [↗](#)

Technical information

- **Programming Languages used for implementation:**
 - ◆ Python 2.6 or higher
- **Operating systems:**
 - ◆ tested exclusively on Linux (Ubuntu 12.04 and SLC 5)
- **Other prerequisites:**
 - ◆ Libraries: numpy, scipy

Other informations

- **Developed by :** CERN
- **License :** CERN Copyright
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-- Main.XavierBuffat - 2017-10-13

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