

Example of solar robustness to IRC

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File structure

the Python package and simulation for IRC Example, Section 3.

- **supporting functions**

- **./figures** : the folder of all detailed graphical results, saved as ".pdf";
- **./numerical_result** : the folder of all numerical results, saved as ".p";
- **debug.sh** : (for macOS and Linux only) the bash file for bug testing of all .py files here.
 - in Mac OS or Linux, open terminal and switch to this folder; run "bash debug.sh" command
 - it will produces all the test plots, results and tables;
 - if you find no error during the procedure and the bash file ends normally, there is no bug of all the packages in this folder.
- **costcom.py** : the package to compute the regression error;
- **solar_parallel.py** : the Python package "solar" (parallel computing);
- **simul_plot_ic.py** : all the simulation functions (computation and plotting functions) that the IRC example requires;
- **simulator_ic.py** : the data generating package for the IRC example only.

- **simulations**

- **example_IRC.ipynb** : the simulation for the lasso-solar example under different irrerepresentable conditions.