Project report: `SciPy`

Title:	User-oriented documentation and thorough restructuring
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Introduction

The report presents the results of the `SciPy` project completed during the inaugural 2019 Google Season of Docs (September 2 – November 29). The status of the project can be regarded as "complete" due to the fact that all pull requests have been merged[1] and all the initial premises of the project have been fulfilled. Should the need arise, any further minor revisions related to the project will be handled by the author.

Goals

The detailed description of the project was given in the proposal. For ease of reference, the main goals are enumerated below:

- design and conduct the user survey, and analyse the results (summary with a priority list)

- perform a comprehensive stylistic revision of the current documentation (including the website, tutorials, API, comments in source code) with an emphasis on uniform punctuation, correcting typos and minor grammatical issues, and (most importantly) consistency in writing style

- design and deploy the graphical guides, and provide appropriate guidelines and resources for future maintenance

- actively monitor GitHub issues for any sidetasks directly related to the project and try to resolve them (for instance, typos, inconsistencies, etc.)

Results

All results can be directly accessed and reviewed in the following repository: `https://github.com/mkg33/GSoD`. The pull requests and issues related to the project are listed below:

- `SciPy` repository:

  - gh-10823 (`https://github.com/scipy/scipy/pull/10823`)
  - gh-10800 (`https://github.com/scipy/scipy/pull/10800`)
  - gh-11067 (`https://github.com/scipy/scipy/pull/11067`)
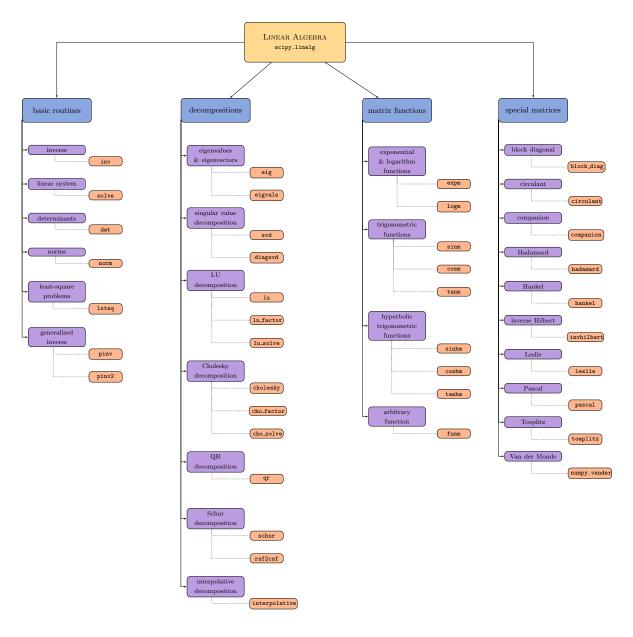 - gh-11143 (`https://github.com/scipy/scipy/pull/11143`)

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[1] One is currently under review and will be merged in the next few days.

- gh-11075 (https://github.com/scipy/scipy/pull/11075)
- gh-11138 (https://github.com/scipy/scipy/pull/11138)
- issue 11047 (https://github.com/scipy/scipy/issues/11047)
- issue 10875 (https://github.com/scipy/scipy/issues/10875)

- `scipy.org` repository:

  - gh-315 (https://github.com/scipy/scipy.org/pull/315)
  - gh-321 (https://github.com/scipy/scipy.org/pull/321)
  - gh-324 (https://github.com/scipy/scipy.org/pull/324)
  - issue 322 (https://github.com/scipy/scipy.org/issues/322)

The user survey report can be read here: `https://github.com/mkg33/GSoD/blob/master/user_survey_summary.pdf` and the raw results can be consulted here: `https://docs.google.com/spreadsheets/d/149Zie4unVkmyVKuc6X-RmWkaaOrxOyEy3j7sn-Ayz-c/edit#gid=1241743680`. The priority list based on the responses is here: `https://github.com/mkg33/GSoD/blob/master/priority_list`. As regards the graphical guides, all files can be directly viewed in the `mkg33/GSoD` repository. For completeness, a sample guide is reproduced below:

Acknowledgments