

# Project Management and Contributions

- HUANG Guanchao, SID 11912309 from SME
  - organizing the project team, work scheduling
  - `Matrix` data structure implementing
  - conducting algorithm test
  - experiment data analysis
  - [Empirical Analysis](#) and [Conclusion](#) part of report
  - creating PowerPoint slides, and delivered presentation on class
  - final adjust of the report
  - the [repository of this project](#) is under his GitHub account [SamuelHuang2019](#)
- ZHENG Shuhan, SID 11712401 from PHY
  - reading the paper, and offering theoretical instructions on adaptive Strassen's algorithm for us
  - `Matrix` data structure implementing
  - implementing two methods of multiplication, including function `square_matrix_multiply`, `adaptive_add`, `adaptive_minus` and `strassen_multiply`
  - [Code Implementation](#) part of the report
- LI Yuru, SID 11911035 from EIE
  - [Introduction](#) and [Theoretical Analysis](#) part of the report
- -TIAN Yuqiong, SID 11911039 from EIE
  - [Background](#) and [Theoretical Analysis](#) part of the report

## SPECIAL THANKS TO:

- SUN Jiachen, who provided testing platform for us.
- HAN Zichen, who offered us professional advice on Python and other CS problems.

Our project is based on GitHub for version control and code cooperation, on which we created projects for different stages of our work.

Developing Preparations   

Closed

 Updated 14 seconds ago

6 Basic knowledge + ...

VSCode

Added by SamuelHuang2019

WSL and Kali

Added by SamuelHuang2019

Python

Added by SamuelHuang2019

Git and GitHub

Added by SamuelHuang2019

Jupyter Notebook

Added by SamuelHuang2019

Markdown

Added by SamuelHuang2019

3 Project Structure + ...

source code structure

Added by SamuelHuang2019

Report structure

Added by SamuelHuang2019

README.md completion

Added by SamuelHuang2019








2 Task Analysis + ...

Distribute tasks

Added by SamuelHuang2019

Read project description


Added by SamuelHuang2019

 3 Open    ✓ 1 Closed	
<b>Report and Documentations</b>  Updated on 16 Nov	Finish project report and documentations.
<b>Presentation Preparations</b>  Updated on 16 Nov	Prepare for the presentation, design slides, etc.
<b>Main Development</b>  Updated on 19 Nov 	Main part of coding.
<b>Developing Preparations</b> <span>Closed</span>  Updated 2 minutes ago 	Deploying environments, and other necessary preparations.

Also, we opened some issues while code debugging.

## Unknown error message with large input #4

Closed joshua-shuhan opened this issue 27 days ago · 3 comments



joshua-shuhan commented 27 days ago • edited ▾

Collaborator

😊 ...

The code gives the correct output matrix without any error message when the input matrix is small (eg. 10, 10).  
The code gives the correct output but error message "Invalid Matrix Size" when the input matrix is larger (eg. 200, 50).  
Need further testing.

I commit a new test code.

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SamuelHuang2019 commented 19 days ago

Owner

😊 ...

More details of this issue:

```
m1 = Matrix(range(10000), 100, 100)
```

While running this line, module will throw error message

```
Invalid matrix size
```

It is already verified that for small matrices, the generation and multiplication are all functioning normally.

For example

```
m1 = Matrix(range(16), 4, 4)
```

Until December 25th, 2020, the contributions insight is as shown below.

Nov 8, 2020 – Dec 25, 2020

Contributions: Additions ▾

Contributions to main, excluding merge commits

