

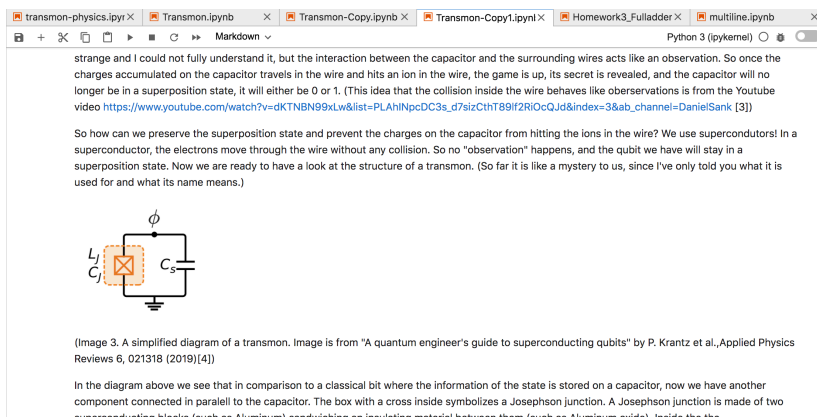
Computational Physics 1

Midterm

Piaohan Xu

1. Report on the building block of quantum computer, the transmon.

A report is produced using Jupyter notebook. However I ran into a problem where the pictures from my local docker image could not be shown properly in the report. I'm out of time, but hopefully I will have a chance to fix it. As could be seen in the screenshot below:



The Jupyter notebook has the image embedded. However all the images are missing from the pdf file converted by Pandoc, named "Transmon Report".

The GitHub version also has problem displaying some of the images embedded. :(<https://github.com/ubsuny/transmon/blob/main/Transmon.ipynb>

But at least some are showing up. It could be a problem with my markdown code.

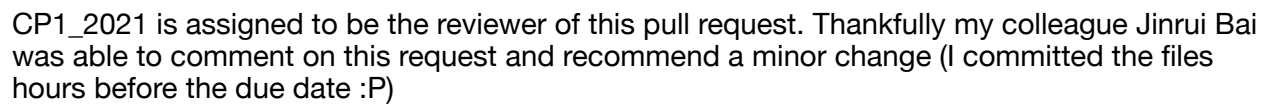
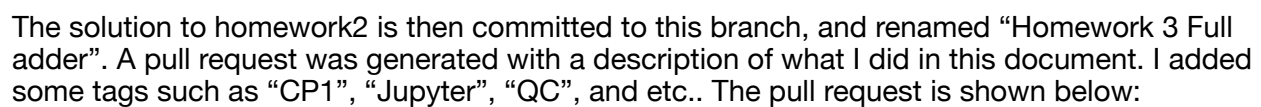
2. Issues are opened in GitHub. And closed as each task is attempted. I don't know how to do the listing on the Jupyter notebook however, so that task is still outstanding.

3. The youtube video address is:


https://www.youtube.com/watch?v=9MFPvrjHgF0&ab_channel=TheGoldennach



2. Github

Shown in the screenshot below, a new branch named “piaohanx / HW3CP12021” has been created under the repository “ubsuny/QC_fullAdder”.



The document was thus modified based on the recommendation. I think each of us were going really simple suggestions, so we wouldn't have to make complicated changes. So as to save time. :P

 **piaohanx** approved these changes on behalf of **ubsuny/cp1_2021** 4 days ago [View changes](#)

piaohanx left a comment • edited Member  

Looks good! 👍 I think you can add a list of reference to your full adder circuit file, Homework 1 Jinrui Bai.md, which would make the Markdown file look better.