

LaTeX Setup

1. Install TeX Live and go through the installation process, making sure that the install TeXworks front end box is checked when you get to the page where you choose the installation root.
2. Next, install Git Bash so that you can download the repository easily onto your computer. After this, launch the program and run the following lines to set up your account's default identity:
 - `git config --global user.email "you@example.com"`
 - `git config --global user.name "Your Name"`

After this you'll want to set up the directory which you will clone the Book about Quadratzation to using:

- `cd "Folder Name"`

For example, in order to set your directory to a folder named "test" on your desktop you would type the following:

- `cd Desktop`
- `cd test`

Once this is done all you need to do is clone the repository using the following line:

- `git clone https://github.com/HPQC-LABS/Book_About_Quadratization.git`

3. With the repository now downloaded to your computer, open TeXworks and open up the `Book_about_Quadratization.tex` file from the repository, and build it by pressing the green play button in the top left.

Now that this has been done, you should notice that the pdf is working besides the missing bibliography and references. To fix this, open up the `BookAboutQuadratizationNotes` file (you'll only see it listed by changing the file type to all files when opening) and build it. Once the console outputs some text press the stop sign in the top left and close out of the file. Go back to the main `.tex` file and by building the file once more you should see that everything is now working and ready for you to make your edits.

Uploading with GitBash

1. Once you have made changes to a file and you wish to commit the change, begin by opening Git Bash and navigating to the directory in which you cloned the Book_about_Quadratization repository.

For example, if I cloned the repository to a folder called "Test" on my desktop I would enter the following (using tab will autofill to make things easy):

- `cd Desktop`
- `cd Test`
- `cd Book_about_Quadratization`

2. Next you'll want to add the files you've updated (In most cases this will just be the book .tex and .pdf files). You can do this by entering the following lines:

- `git add "File Name.fileType"`

3. Then to make a commit enter the following line:

- `git commit -am "Message you want to have with the commit"`

4. Finally, to push your commit, enter the following and everything should be updated:

- `git push`