## NOTES ON RANDOM MATRICES

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(notes by (STUDENTS IN MATH 8380 COURSE))

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# (ON THE TEX STYLE)

- 1. Please do not define and use any \newcommand commands!
- **2.** Try to be consistent use environments provided:

The above code produces:

 $\langle \text{thm:example} \rangle$  Theorem 0.1. A theorem.

*Idea of proof.* And here is an equation:

$$a^2 + b^2 = c^2$$
.

This concludes the proof.

Use align or multline for displayed equations.

**3.** Full list of theorem environments defined:

```
\newtheorem{proposition}{Proposition}[section]
\newtheorem{lemma}[proposition]{Lemma}
\newtheorem{corollary}[proposition]{Corollary}
\newtheorem{theorem}[proposition]{Theorem}
\newtheorem{definition}[proposition]{Definition}
\newtheorem{remark}[proposition]{Remark}
\newtheorem{example}[proposition]{Example}
\newtheorem{exercise}[proposition]{Exercise}
```

- 4. Use \note command to insert notes: (THIS IS A NOTE).
- 5. Use understandable labels for theorems and equations, and reference them by using \ref or \eqref, see Theorem 0.1. Little hints will appear in the PDF file, this should help you.
- 6. Bibliography links can be inserted using the \cite command. I am using a single huge BiBTeX file which is here https://github.com/lenis2000/BiBTeX/blob/master/bib.bib. If something is not in that file, leave a note. Example: command

\cite{AndersonGuionnetZeitouniBook}

produces citation [AGZ10].

7. You can email me your TEX files (in which case take my preamble and put your text into it), or alternatively you can use GitHub's pull requests mechanism (https://help.github.com/articles/using-pull-requests/).

### 1. Introduction

 $\mathtt{ntroduction} 
angle ?$ 

### References

ZeitouniBook [AGZ10] G.W. Anderson, A. Guionnet, and O. Zeitouni, An introduction to random matrices, Cambridge University Press, 2010.

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