#### 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:

```
\begin{theorem}
    A theorem.
\end{theorem}
\begin{proof}[Idea of proof]
          And here is an equation:
        \begin{align*}
          a^2+b^2=c^2.
        \end{align*}
          This concludes the proof.
\end{proof}
```

The above code produces:

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. You can email me your T<sub>E</sub>X files, or use GitHub's pull-requests mechanism.

## 1. Introduction

### References

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