

NOTES ON RANDOM MATRICES

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(notes by (STUDENTS IN MATH 8380 COURSE))

CONTENTS

(ON THE T_EX STYLE)

- 1. Introduction
- References

1
2
2

(ON THE T_EX 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).

1. INTRODUCTION

REFERENCES

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