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Cougars fight for dear old U of H

A View of the Chivalry
ECE 6000

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Authorized by

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2020

Completed

A View of the Chivalry *

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Abstract

Donec et nisl id sapien blandit mattis. Aenean dictum odio sit amet risus. Morbi purus. Nulla a est sit amet purus venenatis iaculis. Vivamus viverra purus vel magna. Donec in justo sed odio malesuada dapibus. Nunc ultrices aliquam nunc. Vivamus facilisis pellentesque velit. Nulla nunc velit, vulputate dapibus, vulputate id, mattis ac, justo. Nam mattis elit dapibus purus. Quisque enim risus, congue non, elementum ut, mattis quis, sem. Quisque elit.sdfdsf

Keywords: Chivalry, Morality, Sociality

AMS Subject Classification: 60G12.

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§ 1. Hamility

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Laele [1], Final list. Another example of citation:

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Laele ¹.

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Lorem ipsum dolor sit amet, consectetur adipiscing elit. Ut purus elit, vestibulum ut, placerat ac, adipiscing vitae, felis. Curabitur dictum gravida mauris. Nam arcu libero, nonummy eget, consectetur id, vulputate a, magna. Donec vehicula augue eu neque. Pellentesque habitant morbi tristique senectus et netus et malesuada fames ac turpis egestas. Mauris ut leo. Cras viverra metus rhoncus sem. Nulla et lectus vestibulum urna fringilla ultrices. Phasellus eu tellus sit amet tortor gravida placerat. Integer sapien est, iaculis in, pretium quis, viverra ac, nunc. Praesent eget sem vel leo ultrices bibendum. Aenean faucibus. Morbi dolor nulla, malesuada eu, pulvinar at, mollis ac, nulla. Curabitur auctor semper nulla. Donec varius orci eget risus. Duis nibh mi, congue eu, accumsan eleifend, sagittis quis, diam. Duis eget orci sit amet orci dignissim rutrum.

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Nam dui ligula, fringilla a, euismod sodales, sollicitudin vel, wisi. Morbi auctor lorem non justo. Nam lacus libero, pretium at, lobortis vitae, ultricies

*This report is drafted on Jul 27, 2018, newly modified on 2020. Apr. 19. Version 1.

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et, tellus. Donec aliquet, tortor sed accumsan bibendum, erat ligula aliquet magna, vitae ornare odio metus a mi. Morbi ac orci et nisl hendrerit mollis. Suspendisse ut massa. Cras nec ante. Pellentesque a nulla. Cum sociis natoque penatibus et magnis dis parturient montes, nascetur ridiculus mus. Aliquam tincidunt urna. Nulla ullamcorper vestibulum turpis. Pellentesque cursus luctus mauris.

Question 1 (Uncountable Monkeys) *Fusce mauris. Vestibulum luctus nibh at lectus. Sed bibendum, nulla a faucibus semper, leo velit ultricies tellus, ac venenatis arcu wisi vel nisl. Vestibulum diam. Aliquam pellentesque, augue quis sagittis posuere, turpis lacus congue quam, in hendrerit risus eros eget felis. Maecenas eget erat in sapien mattis porttitor. Vestibulum porttitor. Nulla facilisi. Sed a turpis eu lacus commodo facilisis. Morbi fringilla, wisi in dignissim interdum, justo lectus sagittis dui, et vehicula libero dui cursus dui. Mauris tempor ligula sed lacus. Duis cursus enim ut augue. Cras ac magna. Cras nulla. Nulla egestas. Curabitur a leo. Quisque egestas wisi eget nunc. Nam feugiat lacus vel est. Curabitur consectetur.*

<https://www.google.com>

§2. Honor

Nulla malesuada porttitor diam. Donec felis erat, congue non, volutpat at, tincidunt tristique, libero. Vivamus viverra fermentum felis. Donec nonummy pellentesque ante. Phasellus adipiscing semper elit. Proin fermentum massa ac quam. Sed diam turpis, molestie vitae, placerat a, molestie nec, leo. Maecenas lacinia. Nam ipsum ligula, eleifend at, accumsan nec, suscipit a, ipsum. Morbi blandit ligula feugiat magna. Nunc eleifend consequat lorem. Sed lacinia nulla vitae enim. Pellentesque tincidunt purus vel magna. Integer non enim. Praesent euismod nunc eu purus. Donec bibendum quam in tellus. Nullam cursus pulvinar lectus. Donec et mi. Nam vulputate metus eu enim. Vestibulum pellentesque felis eu massa.

§3. Scarifice

Quisque ullamcorper placerat ipsum. Cras nibh. Morbi vel justo vitae lacus tincidunt ultrices. Lorem ipsum dolor sit amet, consectetur adipiscing elit.

In hac habitasse platea dictumst. Integer tempus convallis augue. Etiam facilisis. Nunc elementum fermentum wisi. Aenean placerat. Ut imperdiet, enim sed gravida sollicitudin, felis odio placerat quam, ac pulvinar elit purus eget enim. Nunc vitae tortor. Proin tempus nibh sit amet nisl. Vivamus quis tortor vitae risus porta vehicula.

§4. Valor

Suspendisse vel felis. Ut lorem lorem, interdum eu, tincidunt sit amet, laoreet vitae, arcu. Aenean faucibus pede eu ante. Praesent enim elit, rutrum at, molestie non, nonummy vel, nisl. Ut lectus eros, malesuada sit amet, fermentum eu, sodales cursus, magna. Donec eu purus. Quisque vehicula, urna sed ultricies auctor, pede lorem egestas dui, et convallis elit erat sed nulla. Donec luctus. Curabitur et nunc. Aliquam dolor odio, commodo pretium, ultricies non, pharetra in, velit. Integer arcu est, nonummy in, fermentum faucibus, egestas vel, odio.

§5. Compassion

Sed commodo posuere pede. Mauris ut est. Ut quis purus. Sed ac odio. Sed vehicula hendrerit sem. Duis non odio. Morbi ut dui. Sed accumsan risus eget odio. In hac habitasse platea dictumst. Pellentesque non elit. Fusce sed justo eu urna porta tincidunt. Mauris felis odio, sollicitudin sed, volutpat a, ornare ac, erat. Morbi quis dolor. Donec pellentesque, erat ac sagittis semper, nunc dui lobortis purus, quis congue purus metus ultricies tellus. Proin et quam. Class aptent taciti sociosqu ad litora torquent per conubia nostra, per inceptos hymenaeos. Praesent sapien turpis, fermentum vel, eleifend faucibus, vehicula eu, lacus.

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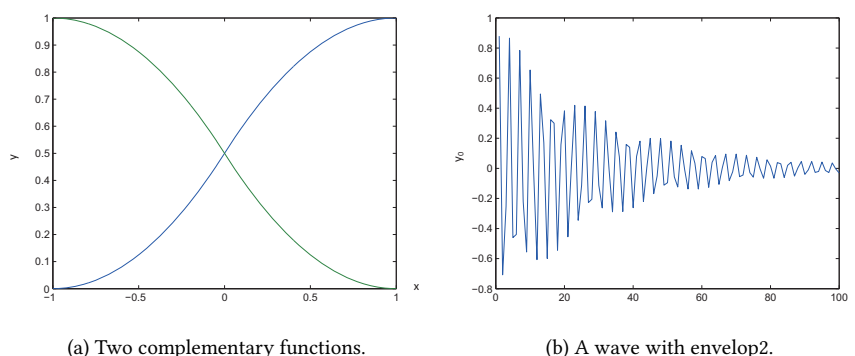


Figure 9-2 Test graphs.

adipiscing quis, ultrices a, dui.

Morbi luctus, wisi viverra faucibus pretium, nibh est placerat odio, nec commodo wisi enim eget quam. Quisque libero justo, consectetur a, feugiat vitae, porttitor eu, libero. Suspendisse sed mauris vitae elit sollicitudin malesuada. Maecenas ultricies eros sit amet ante. Ut venenatis velit. Maecenas sed mi eget dui varius euismod. Phasellus aliquet volutpat odio. Vestibulum ante ipsum primis in faucibus orci luctus et ultrices posuere cubilia Curae; Pellentesque sit amet pede ac sem eleifend consectetur. Nullam elementum, urna vel imperdiet sodales, elit ipsum pharetra ligula, ac pretium ante justo a nulla. Curabitur tristique arcu eu metus. Vestibulum lectus. Proin mauris. Proin eu nunc eu urna hendrerit faucibus. Aliquam auctor, pede consequat laoreet varius, eros tellus scelerisque quam, pellentesque hendrerit ipsum dolor sed augue. Nulla nec lacus.

§6. Spirituality

Suspendisse vitae elit. Aliquam arcu neque, ornare in, ullamcorper quis, commodo eu, libero. Fusce sagittis erat at erat tristique mollis. Maecenas sapien libero, molestie et, lobortis in, sodales eget, dui. Morbi ultrices rutrum lorem. Nam elementum ullamcorper leo. Morbi dui. Aliquam sagittis. Nunc placerat. Pellentesque tristique sodales est. Maecenas imperdiet lacinia velit. Cras non urna. Morbi eros pede, suscipit ac, varius vel, egestas non, eros. Praesent malesuada, diam id pretium elementum, eros sem dictum tortor, vel consectetur odio sem sed wisi.

§7. Honesty

Sed feugiat. Cum sociis natoque penatibus et magnis dis parturient montes, nascetur ridiculus mus. Ut pellentesque augue sed urna. Vestibulum diam eros, fringilla et, consectetur eu, nonummy id, sapien. Nullam at lectus. In sagittis ultrices mauris. Curabitur malesuada erat sit amet massa. Fusce blandit. Aliquam erat volutpat. Aliquam euismod. Aenean vel lectus. Nunc imperdiet justo nec dolor.

§8. Justice

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§9. Enhancements

9.1 Special table

Table 9-1 is an example of the table in this class. We use `\hlinerev` to switch the color of the next row. When the argument is 1, the next row would be colored by gray. If use 0, the next row would be colored by white. `\hlinedge` is used for setting thickness of the first and the bottom line.

Table 9-1 Module Test

Data	Result	
	Normal	Reverse
Min Loss [dB]	-4.1005	-4.1081
Max Loss [dB]	-50.6748	-50.3463
BDwidth [MHz]	394.5	394.5

9.2 Subfigures

First, we show a regular figure in Figure 9-1.

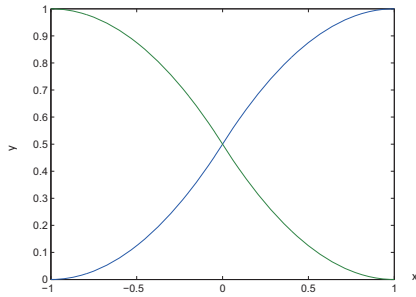


Figure 9-1 A regular example of the figure.

In Figure 9-2 we show an example of a figure crossing two columns and containing 2 subfigures. This feature is supported by `stfloats` and `subfig`. To place this figure in the correct position, we may need to adjust the place of the figure manually, which may cause a wrong caption number. To fix this problem, we provide the following command for changing the current counter:

```

1 \renewsecnum{number} % Set the section
   number.
2 \renewtabnum{number} % Set the table number
   .
3 \renewfignum{number} % Set the figure
   number.
4 \reneweqnum{number} % Set the equation
   number.

```

However, change the figure position may violate the order in the list of figures. Users need to pay attention to this problem.

9.3 Algorithm

Test Algorithm in Algorithm 1:

Algorithm 1 DWT Algorithm

Input: Sequence \mathbf{x} in time domain

Output: Sequence $\hat{\mathbf{x}}$ in wavelet domain

- 1: $N = \lfloor \log_2(\text{length}(\mathbf{x})) \rfloor$;
- 2: $\mathbf{c}_N = \mathbf{x}$, $\hat{\mathbf{x}} = \emptyset$;
- 3: **for** i from 1 to N **do**
- 4: \mathbf{c}_{N-i} , $\mathbf{d}_{N-i} = \text{analysis_filter}(\mathbf{c}_{N-i+1})$;
- 5: insert \mathbf{d}_{N-i} at the beginning of $\hat{\mathbf{x}}$.
- 6: **end for**

9.4 Shaded quote

We provide a style for quotation. To make use of it, call the `shadedQuote` environment.

“ This sentence is written by an unknown person. ”

“ To be or not to be, that is the question. ”
Shakespeare

“ To be or not to be, that is the question. ”
Shakespeare

9.5 Signature

User could insert a signature by using the environment `signature`. An example is shown as follows:



Name: Yuchen Jin

Organization: University of Houston

E-mail: cainmagi@gmail.com

Tel: XXX-XXX-XXXX

Time: Apr. 19 2020, 21:02:00

The environment has 4 arguments, they are

- (1) The width of the whole signature.
- (2) The width of the figure.
- (3) The width of the descriptions.
- (4) The path of the figure.

User could also change the definition of `\InnerSignature`, this signature would appear in the front page if the option `\innerSig` is enabled.

9.6 Front page and contents

We use the following command to add a front page.

```
1 \titlepage{1} % Could be 1 or 2
```

where the argument is the style. Could be 1 or 2.

The contents is dumped by `\CKEcontents`. The first argument is the type of the content, the second argument is the text of the contents title. If the second argument is left blank, would generate the title automatically. Here we show some examples:

```
1 \CKEcontents{}{} % The contents for the
  whole report.
2 \CKEcontents{tab}{} % List of tables
3 \CKEcontents{fig}{} % List of figures
4 \CKEcontents{theorem}{} % List of theorems
```

We also provide an optional argument, to enable users to insert the two-column list in the one-column text. Use a command like this:

```
1 \CKEcontents[2col]{}{}%
```

9.7 Import files

Basically, \TeX provide a method for import other `.tex` files:

```
1 \include{example.tex}
```

We define an enhanced version, like this

```
1 \import{example.tex}
```

This command would search the folder `./Documents` and include the file. Before including the file, all counters would be reset by 0.

To import `.pdf` files, use the following command:

```
1 \includepage{1-2}{example.pdf}
```

The first argument is the pages that would be included, the second argument is the path of the pdf.

If users want to include a pdf file and insert it in the title, we could use

```
\includepagetoc{1-2}{example.pdf}{Example Pdf}
```

The third argument would be added into the contents. It would be included as a section.

This function is supported by `pdfpages` package.

9.8 Encryption

If users set the `ownerpass` and `userpass` (optional) by `\ckesetup`, and compile the report by \TeX , the report would be protected by the passwords. This feature does not work with $\text{pdf}\TeX$.

9.9 Other options

The detail usage of the options could be referred in the readme file. In [Table 9-2](#) we only introduce some important features:

Table 9-2 List of options

Option	Description
<code>linkColor</code>	Make all links colored.
<code>innerSig</code>	Add a signature in the front page.
<code>refNum</code>	Add a section number to the reference.
<code>CSensLabel</code>	Make all captions start with a section number.

§ 10. References

- [1] Z. Bakhti and S. Moghaddam, "Inter-cell interference coordination with adaptive frequency-reuse for voip and data traffic in downlink of 3gpp-lte," in *International Conference on Application of Information and Communication Technologies*, Oct 2010, pp. 1–6.

Appendix

Aliquam lectus. Vivamus leo. Quisque ornare tellus ullamcorper nulla. Mauris porttitor pharetra tortor. Sed fringilla justo sed mauris. Mauris tellus. Sed non leo. Nullam elementum, magna in cursus sodales, augue est scelerisque sapien, venenatis congue nulla arcu et pede. Ut suscipit enim vel sapien. Donec congue. Maecenas urna mi, suscipit in, placerat ut, vestibulum ut, massa. Fusce ultrices nulla et

nisl.

1. AAA
2. BBB
3. Caption
4. Finally ...

Bare Demo of IEEERev.cls for IEEE Journals

Yuchen Jin, *Member, IEEE*, and Yuchen Jin II, *Member, IEEE*

Abstract

The abstract goes here.

Index Terms

IEEE, IEEEtran, journal, L^AT_EX, paper, template.

I. SHOW HOMEWORK

sadfasf, sdfdsf, sdf.

Test citations:

[1–3].

A. Show Floats

Test figures and example block which is shown in Example 1.

Example 1: Show figures

Test inner subgraphs, i.e. Figure 1(a) and Figure 1(b):



Pics/ece-logo-eps-converted-to.pdf

(a) $D = 1$

Here could be graphs.

(b) $D = 0.5$

Fig. 1. Test graphs.

□

Test subequations and the theorem block which is shown in Theorem 1.

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