

GCU Arbitrary

Special Circumstances

Interstellar Diplomacy and Cultural Integration: Strategies for Peaceful Coexistence in a Post-Scarcity Society

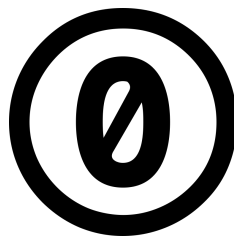
Diziet Sma

A thesis submitted for the degree of
Doctor of Philosophy

January 2025

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2025-01-24 18:53



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Supervised by Skaffen-Amtiskaw

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Draft compiled: 2025-01-24 18:53

Notes on This Draft

The following is a list of elements of this draft that are new/recently changed or noteworthy.

As of 2025.01.01:

- We added this page containing a list of things that reviewers might want to look at in this specific draft
- For example, look at Chapter [1](#)
- Also see this new Figure: [1.1](#)
- To turn off draft mode, set this in thesis.tex: `\def\draftmode{false}`
- Make sure to check out the `supplemental` subdirectory – this contains separate files for generating supplements to the main thesis

Declaration of Authorship

I, Diziet Sma, confirm that the research in this dissertation is my own work or that where it has been carried out in collaboration with, or supported by others, that this is duly acknowledged below and my contribution indicated.

I attest that I have exercised reasonable care to ensure that the work is original, and to the best of my knowledge does not break any UK law, infringe any third party's copyright or other Intellectual Property Right, or contain any confidential material.

I confirm that this dissertation has not been previously submitted for the award of a degree by this or any other university.

To LaTeX users everywhere, whether they want to be or not.

Acknowledgements

I would like to thank the generations of students and academics before me who have spent inordinate amounts of time wrestling with LaTeX, upon whose efforts this example has been built.

Abstract

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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Chapter 1

Example Chapter

Here is a link to the *Section 1.1*. There is also this very fine figure *Figure 1.3*. I also want to draw your attention to the information in this footnote¹. Of course we must also consider [Leach \[2018\]](#) and [Martín \[2021\]](#).

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.

¹Footnotes are like bicycles - there is always room for n+1

1.1 Example Section

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

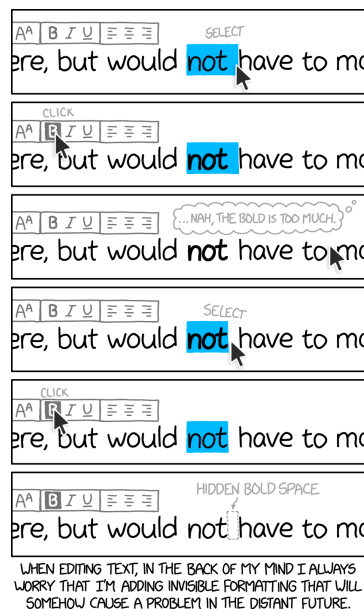


Figure 1.1: Example figure that should probably be removed at some point²

²Attribution: xkcd 1205 (<https://xkcd.com/1205>)

1.2 Links

1.2.1 DOI

This is an example of a DOI being linked: [[doi:10.1000/182](https://doi.org/10.1000/182)].

On the other hand here we reference a path in a resources bundle:

[doi:10.5281/zenodo.1234567](#) [path: /some/example/document.txt]

1.2.2 Perma

Here is a URL with an associated perma.cc link:

<https://xkcd.com/327/> [<https://perma.cc/EP49-TCM6>]

You could also have that as a footnote³.

1.3 Another Section

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.

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 dic-

³<https://xkcd.com/327/> [<https://perma.cc/EP49-TCM6>]

⁴Attribution: xkcd 2109 (<https://xkcd.com/2109>)

HOW LONG CAN YOU WORK ON MAKING A ROUTINE TASK MORE EFFICIENT BEFORE YOU'RE SPENDING MORE TIME THAN YOU SAVE?
(ACROSS FIVE YEARS)

	HOW OFTEN YOU DO THE TASK					
	50/DAY	5/DAY	DAILY	WEEKLY	MONTHLY	YEARLY
1 SECOND	1 DAY	2 HOURS	30 MINUTES	4 MINUTES	1 MINUTE	5 SECONDS
5 SECONDS	5 DAYS	12 HOURS	2 HOURS	21 MINUTES	5 MINUTES	25 SECONDS
30 SECONDS	4 WEEKS	3 DAYS	12 HOURS	2 HOURS	30 MINUTES	2 MINUTES
1 MINUTE	8 WEEKS	6 DAYS	1 DAY	4 HOURS	1 HOUR	5 MINUTES
5 MINUTES	9 MONTHS	4 WEEKS	6 DAYS	21 HOURS	5 HOURS	25 MINUTES
30 MINUTES		6 MONTHS	5 WEEKS	5 DAYS	1 DAY	2 HOURS
1 HOUR		10 MONTHS	2 MONTHS	10 DAYS	2 DAYS	5 HOURS
6 HOURS				2 MONTHS	2 WEEKS	1 DAY
1 DAY					8 WEEKS	5 DAYS

HOW MUCH TIME YOU SHAVE OFF

Figure 1.2: I feel this table is relevant to many aspects of PhD work⁴

tumst. 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.

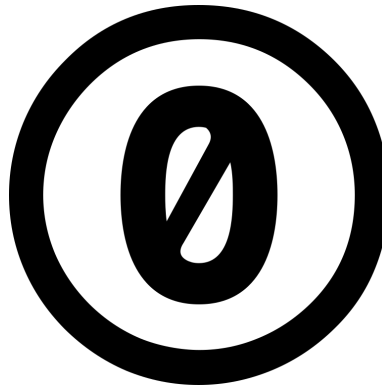


Figure 1.3: Example figure with no attribution

1.3.1 Foo

We are interested in answering [RQ1](#) and have already formulated [H1](#).

Research Question RQ1: A very important question about something or other.

Hypothesis H1: An answer to the question does exist.

1.3.2 Bar

Table 1.1: *Some important numbers*

Response	Frequency	Note
1 (Strongly disagree)	1	Not at all happy
2 (Disagree)	0	Meh
3 (Dunno)	2	Middle of the road
4 (Agree)	12	So-so
5 (Strongly agree)	9	Very happy

Theorem 1.1: This is a theorem about right triangles and can be summarised in the next equation:

$$x^2 + y^2 = z^2$$

And a consequence of theorem [1.1](#) is the statement in the next corollary.

Corollary 1.1.1: There's no right rectangle whose sides measure 3cm, 4cm, and 6cm.

Lemma 1.2: Given two line segments whose lengths are a and b respectively there is a real number r such that $b = ra$.

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.

Table 1.2 is an example of a long table split over multiple pages.

Table 1.2: Example multi-page table

Column 1	Column 2	Column 3
This is a subheading in the table that stretches over all the columns		
A	1	Foo
B	2	Bar
C	3	Baz
This is another subheading		
D	1	Foo
E	2	Bar
F	3	Baz
And so is this		
G	1	Foo
H	2	Bar
I	3	Baz
And this		
J	1	Foo
K	2	Bar
L	3	Baz
Also this		
M	1	Foo
N	2	Bar
O	3	Baz
<i>Continued on next page</i>		

Table 1.2 – continued from previous page

Column 1	Column 2	Column 3
This too		
P	1	Foo
Q	2	Bar
R	3	Baz
Once again		
S	1	Foo
T	2	Bar
U	3	Baz
Finally, so this is		
V	1	Foo
W	2	Bar
X	3	Baz

1.4 Including Files Via Inputs

Type 1 This is the title of the item

Category A This is some text. In this case we have defined a couple of footnotes^a to show how they are shown when we have minipages formatted like this. We can also use this type of footnote^b.

^aLike this one

^b<https://xkcd.com/327/> [<https://perma.cc/EP49-TCM6>]

Type 1**This is the title of the item***Category B*

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.

Type 2**This is also a title***Category C*

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.

Bibliography

- [Leach, 2018] Leach, Antonia (2018). “Iain M. Banks–Human, Posthuman and Beyond Human”. In: *ELOPE: English Language Overseas Perspectives and Enquiries* 15.1, pp. 69–81.
- [Martín, 2021] Martín, Sara (2021). “In the Shadow of the Culture: The Ethics of Intervention, AI Rights, and Utopia in Iain M. Banks’s *The Algebraist*”. In: *Extrapolation* 62.2, pp. 181–197.

Appendices

Appendix A

Example Appendix

A.1 Example Section

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.

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.