



CITATIONS AND PLAGRIASM

Made in collaboration with Michael Belling



Informal

I've evaluated it with the facets, seem to be working well!

16:21 ✓✓

Scientific

2.1 Facets of coherence

There are myriad facets to coherence and these can be formalized in different ways; see e.g. the work by Meulemans et al. [24] for an extensive exposition. For the purpose of this paper, we categorize facets into *local* facets and *global* facets. The former represent facets of coherence with respect to individual spatial elements and their placement within a grid map; the latter capture facets of coherence with respect to groups of spatial elements and even aspects of the tile arrangement with respect to the containing shape. Based on existing work [11, 23, 24, 49], we identify the following facets (see Fig. 2).

- [23] G. McNeill and S. A. Hale. Generating tile maps. *Computer Graphics Forum*, 36(3):435–445, 2017.
- [24] W. Meulemans, J. Dykes, A. Slingsby, C. Turkey, and J. Wood. Small multiples with gaps. *IEEE Transactions on Visualization and Computer Graphics*, 23(1):381–390, 2017. doi: 10.1109/TVCG.2016.2598542

Meulemans, W., Sondag, M., & Speckmann, B. (2020). A simple pipeline for coherent grid maps. *IEEE Transactions on Visualization and Computer Graphics*, 27(2), 1236-1246.



- Basis of scientific work
 - A scientific work builds on scientific knowledge and creates new scientific findings
 - A scientist is a dwarf on the back of giants
 - Every scientific work based on the following quality criteria ground: honesty, objectivity, verifiability, reliability, comprehensibility, relevance, logical argumentation and originality¹

1) Balzert: Wissenschaftliches Arbeiten.- Witten:W3L Verlag, 2008



- Basis of scientific work
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- Goals of a citation²
 - Confirmation of writers statement using past research
 - Pointers to background literature
 - Demonstrate the writers knowledge of the research field
 - Demonstrate what is new in that work

1) Balzert: Wissenschaftliches Arbeiten.- Witten:W3L Verlag, 2008

2) Zobel: Writing for Computer Science. - London: Springer, 2015.- S. 86ff.



- What happens if you don't cite in scientific work?
 - Plagiarism: "The action or practice of taking someone else's work, idea, etc., and passing it off as one's own; literary theft."¹
 - (Partially) fail the course ("Mild" plagiarism) <https://phil-fak.uni-koeln.de/fakultaet/pruefungsrecht/taeuschungsversuche-plagiate>
 - Expulsion from the university <https://www.usnews.com/education/blogs/paper-trail/2008/08/14/two-students-kicked-off-semester-at-sea-for-plagiarism>
 - Education minister resigned from his post https://web.archive.org/web/20120801062317/http://setimes.com/cocoon/setimes/xhtml/en_GB/features/setimes/blogreview/2012/05/26/blog-03

1) Oxford English Dictionary



- „Plagiarism is the misrepresentation of another’s writing or creative work (including unpublished and published documents, data, research proposals, computer code, or other forms of creative expression, including electronic versions) as one’s own.“¹
- „Self-plagiarism is defined as a verbatim or near-verbatim reuse of significant portions of one’s own published work without citing the original source.“¹
 - 1) <https://www.acm.org/publications/policies/plagiarism-overview>
(Abruf am 02.09.2022)

Paraphrasing is not avoiding plagiarism. You are still using the same ideas, and the same “story”.

•Priya Parkash: “Over the last four years, **as the sole of our shoes has collected a world of experiences, we all have become this place in rather perplexing ways**, each one of us internalising pieces of people and history and ideas that have transformed our outlook on **the world** — stockpiles that I hope will empower us to bring the best of Duke to our next port of call.”

Sarah Abushaar: “And running through Harvard Yard over the past four years, **the skin of our feet collecting a world of experiences, we each become this place in a strange way**, each of us picking up bits of people and history and ideas that changed the way we saw the world, **accumulations I hope we will continue to wear on our ‘soles’ and leave a footprint of all the best we took from Harvard Yard on our new destinations.**”

<https://www.studyinternational.com/news/speech-plagiarism-duke/>



- Key components:

- Acknowledgment that it is not your work.
- Who's work it is.
- Where you can find this work.

- More info:

Zobel: Writing for Computer Science²
Available in the library (also digitally)

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Example 1

BA-Thesis „Implementierung und experimentelle Analyse eines Netzwerksimplexalgorithmus“
An excerpt from the introduction

nur im wissenschaftlichen, sondern auch im unternehmerischen Interesse. Daraus resultiert, dass das Finden neuer und das Optimieren alter Lösungsalgorithmen seit den 50er Jahren bis heute ein aktueller Forschungsbereich bleibt.

Der Netzwerksimplexalgorithmus ist der verbreitetste Algorithmus zur Lösung von Minimumkostenflussproblemen.

Das Ziel dieser Arbeit besteht darin, potenzielle Schwachstellen einer Netzwerksimplex Implementierung zu finden. Hiefür wird der Algorithmus mit dem Succes-

Unsubstantiated.
Why should the reader believe this claim?

- Better: „Der Netzwerksimplexalgorithmus ist der verbreitetste Algorithmus zur Lösung von Minimumkostenflussproblemen (Peters 2000; Jones 2010)“

Example 2

Shu, R. et al.: „Omni: automated ensemble with unexpected models against adversarial evasion attack“,
Empirical Software Engineering (2022) 27,26
<https://doi.org/10.1007/s10664-021-10064-8>
An excerpt from page 2 and 32

Prior studies have tried (Tramèr et al. 2018; Smutz and Stavrou 2016; Kantchelian et al. 2016) to thwart evasion attacks by building a more robust and complex model via *ensemble learning* (Dietterich et al. 2002). Ensemble learning is the process of (a) building multiple

Dietterich TG et al (2002) Ensemble learning. In: The handbook of brain theory and neural networks, vol 2, pp 110–125
Echete B, Villaflorida A, Weldemariam K (2012) Binspect: Holistic analysis and detection of malicious web

- (Dietterich et al. 2002): Book with 1118 pages.
- The task of a reference and a bibliography is to make it as easy as possible for the reader to find the exact source.
- In this example in the bibliography „vol2, pp. 110-125“