

Annotated Bibliography

ENGR 3510 Project

January 28, 2020

You can add comments with

CB: Do this

. Make sure to put your initials. It will do weird things to the text; that's fine. Citations are made with [1] where Dolan2016 could be replaced with any citation key.

CB: An annotated bibliography is a list of references with descriptions summarizing their content and importance to the work at hand.

1. [**Gerontakos2007**] This article studies the affects that vortexes cause on the lift and drag components of different types of wings. This article provides useful information as to what to expect within some force calculations as well as how to prepare the calculations in the first place. However, this document used some extremely technical language that was hard to follow. Furthermore, many of the discussed results and calculations are methods that are not familiar and therefore harder to follow.
2. [**Portman2009**] This article mostly explained a type of measuring system that helps measure different forces on an object within a wind tunnel. This is done through exploring the applications of said system as well as issues and fixes with the measurements of forces within a wind tunnel. This article provides some useful information into how the forces within a wind tunnel are measured with current devices and what purpose they are measured for. I found section 1 of the article to be most useful with my current knowledge as it was more of an summary versus an in-depth exploration. There was a decent amount of information that I did not understand, however. I did not understand the discussion on anisotropy within the article. It appeared in multiple sections, and I could not understand what it was or what its impact was. There were also some discussions of bridges and signals that I could not follow in relation to the gauges used in some of the systems.

References

- [1] Erin L Dolan. "Course-based Undergraduate Research Experiences: Current knowledge and future directions". In: *National Research Council Commissioned Paper* (2016), pp. 1–34. URL: http://sites.nationalacademies.org/cs/groups/dbassesite/documents/webpage/dbasse{_}177288.pdf.

- [2] J. Ellis Bell. “A practical guide to course-based undergraduate research experiences.” In: (2015). URL: <http://home.sandiego.edu/~josephprovost/bmb20989-sup-0001-supinfo01.pdf>.