

# A WEB-BASED PYTHON PIV ANALYSIS PROGRAM FOR USE IN UNDERGRADUATE LABORATORY EXPERIMENTS.

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## 1. INTRODUCTION AND AIMS

1.1. **Introduction.** what is particle image velocimetry how is it accomplished why is it useful why is the development of this technology useful in this context – undergraduate laboratory what is Dash why Dash? what should the finished product do?

1.2. **Aims.** Specifically, this project aims to:

- develop a useful and user-friendly PIV application. This will involve:
  - determining the specific requirements of the end user, deciding which features must be present and which features are simply nice-to-have, prioritising feature and product development.
  - Determining the hardware and software operating environment [2]
  - Determining the physical test equipment the software is to be used with [3]
  - Creating

## REFERENCES

- [1] WorkSafe Victoria, “Office work: Safety basics.” <https://www.worksafe.vic.gov.au/office-work-safety-basics>, 2020. [Online; accessed 30-March-2021].
- [2] Wikipedia contributors, “Particle image velocimetry — Wikipedia, the free encyclopedia.” [https://en.wikipedia.org/w/index.php?title=Particle\\_image\\_velocimetry&oldid=1012742345](https://en.wikipedia.org/w/index.php?title=Particle_image_velocimetry&oldid=1012742345), 2021. [Online; accessed 30-March-2021].