

pykitPIV: PyTorch-compatible synthetic image generation for particle image velocimetry

Kamila Zdybal^{*a}, Claudio Mucignat^a and Ivan Lunati^a

^aLaboratory for Computational Engineering, Swiss Federal Laboratories for Materials Science and Technology, Empa, Dübendorf, Switzerland

ARTICLE INFO

Keywords:

progress variable; ammonia; parameterization; flamelet-like model; low-dimensional manifold

ABSTRACT

We describe pykitPIV

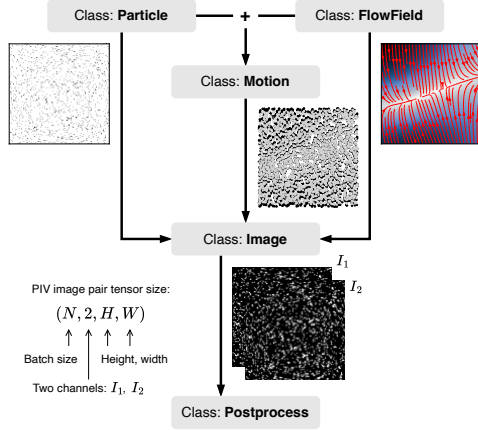


Figure 1: Order of using pykitPIV modules.

1. Introduction

2. Results and discussion


3. Conclusions

Declaration of competing interest

The authors declare that they have no known competing financial interests or personal relationships that could have appeared to influence the work reported in this paper.

Author contributions

Acknowledgments

 kamila.zdybal@gmail.com (K. Zdybal*)
ORCID(s):

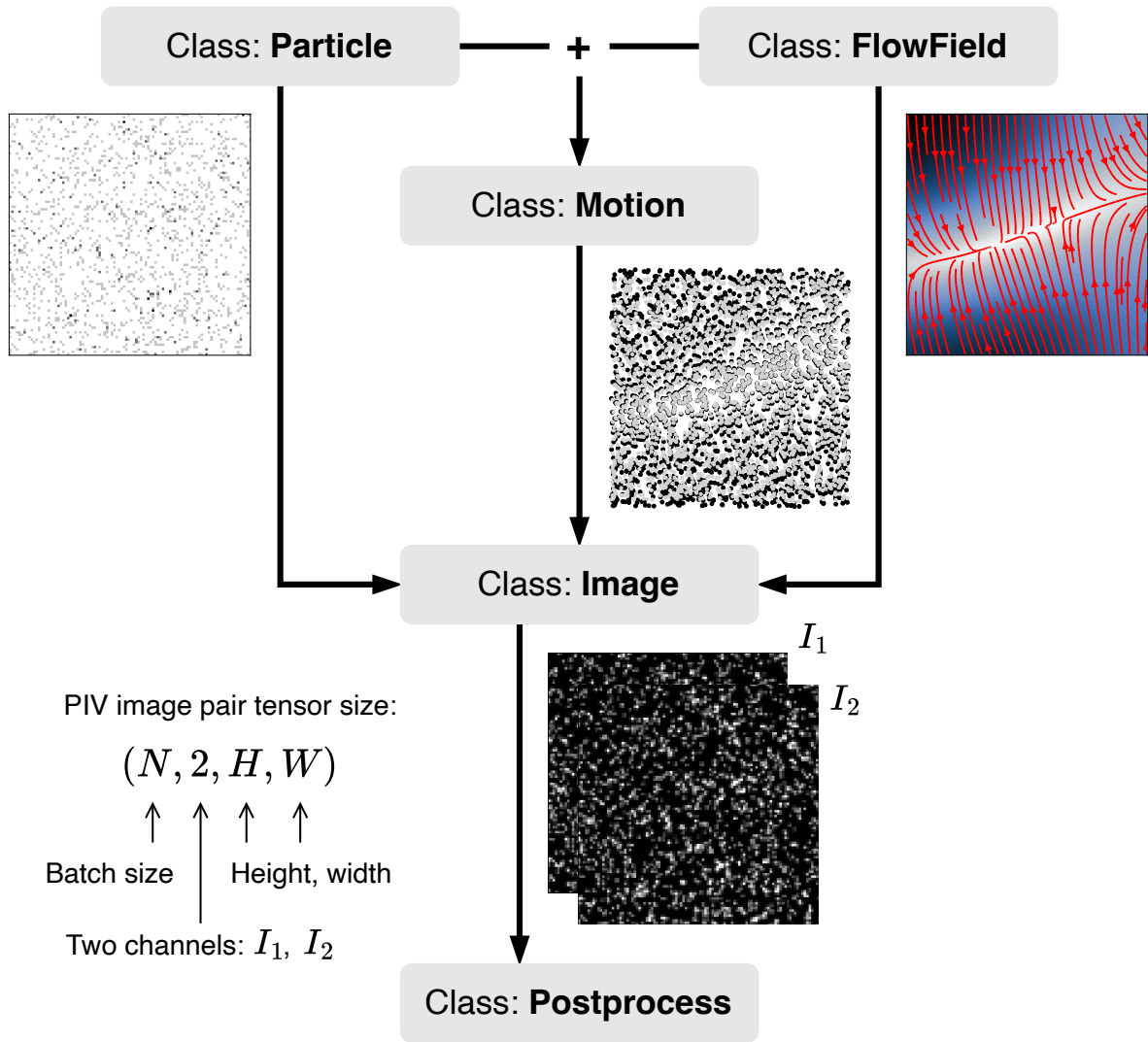


Figure 2: The variety of operations on PIV images possible with the pykitPIV modules.