

# Topological Data Analysis w.r.t Image Processing Using Python + OCaml + Other important Software Tools.

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[I] Our Main Idea :

Topological Data Analysis - A Python Based Approach Using interfacing between OCaml + Coq + q\*cert + qrng + ImageAI in the Context HPC based Image Processing R&D Environments.

[II] Important References :

[a] <https://www.thekerneltrip.com/statistics/topological-data-analysis-tutorial/>

[b] [https://researcher.watson.ibm.com/researcher/view\\_group.php?id=6585](https://researcher.watson.ibm.com/researcher/view_group.php?id=6585)

[c] <https://pypi.org/project/qrng/>

[d] <https://qiskit.org/>

[e] <https://developer.ibm.com/depmodels/quantum-computing/projects/qiskit/>

[f] <https://blog.janestreet.com/using-python-and-ocaml-in-the-same-jupyter-notebook/>

[g] <https://ocaml.org/> [h] <https://coq.inria.fr/> [i] <https://github.com/querycert/qcert>

[j] <http://www.imageai.org/> [k] <http://troydm.github.io/blog/2014/03/29/writing-micro-compiler-in-ocaml/>

[III] Acknowledgement/s :

Non - profit Academic R&D.

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