cryo-EM/Electron Microscopy Image Processing & Medical Image Processing Using Algorithms [I] [II] & [III] :

[I] Singular + Surf -> cryo-EM Imaging & Medical Imaging -> Algorithm I

[II] Wolfram + Python -> cryo-EM Imaging & Medical Imaging -> Algorithm II

[III] OCaml + Python -> cryo-EM Imaging & Medical Imaging -> Algorithm III

Some integrated methods are used to probe the frontiers of Electron Microscopy[EM] Image Processing & Medical Image Processing.

Important References :

[a] https://github.com/tejdnk-2019-ShortNotes/2021-Nir-Informatics - **lot of examples.**

[b] https://www.singular.uni-kl.de/index.php/new-libraries.html

[c] https://github.com/WolframResearch/WolframClientForPython

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

[e] http://dx.doi.org/10.5958/0975-8089.2016.00001.4 -> IJARITAC Journal Publication by us :

{ https://www.researchgate.net/publication/303462482_Understanding_JikesRVM_in_the_Context_of_Cryo-EMTEMSEM_Imaging_Algorithms_and_Applications_-_A_General_Informatics_Introduction_from_a_Software_Architecture_View_Point }

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Rigorous Testing in progress @ the time of submission with some promising results.

Thank You.