IMAGEAI Interaction with ImageJ via Jython Plugin/JikesRVM in the context of Advanced Image Processing and Analysis – A Useful Insight into the Promising World of AI, Python & Java Based Image Processing Informatics Framework.

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[A] Introduction & Inspiration :

“A python library built to empower developers to build applications and systems with self-contained Deep Learning and Computer Vision capabilities using simple and few lines of code.”

“A python library built to empower developers to build applications and systems with self-contained Computer Vision capabilities” - http://imageai.org


Understanding JikesRVM in the Context of Cryo-EM/TEM/SEM Imaging Algorithms and Applications – A General Informatics Introduction from a Software Architecture View Point

Source : DOI: 10.5958/0975-8089.2016.00001.4


https://en.wikipedia.org/wiki/Cryogenic_electron_microscopy

http://cryoem.berkeley.edu/
[B] AI Supported Informatics of Python& Java Based Image Processing Framework:

Figure I – Approximate AI Based Image Processing Framework & Its Informatics
Actual Implementation could vary to some extent.
Please check & Satisfy.

***Please read all the materials presented as references to understand before you start implementing this algorithm. Written and presented only to inspire other researchers.

** NON Profit R&D***
[C] Additional Information on Mathematics & Software Used:

http://vixra.org/author/nirmal_tej_kumar

http://vixra.org/author/d_n_t_kumar

http://vixra.org/author/n_t_kumar

https://web.ma.utexas.edu/users/hadani/publications.htm

https://imagej.net/Jython_Scripting / https://imagej.net/Welcome / https://fiji.sc/


http://vsarkar.rice.edu/research/publications/publi-jikes/

https://researcher.watson.ibm.com/researcher/view_group.php?id=214

http://dmakarov.github.io/work/guide/

https://www.jikesrvm.org/

https://www.python.org/


https://www.javalobby.org//articles/jython/

THE END