

Restricted Boltzmann Machines(RBMs) as Image Pre-processing Method for Deep Neural Classifier w.r.t Cyclotomic Fields/Integers involving : Smart Devices + IoT + HPC Systems -> A Simple Suggestion to Probe Electron Microscopy Images like : cryo-EM/SEM/TEM.

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[I] Main Idea + Inspiration + Introduction :

<https://ieeexplore.ieee.org/document/8938039>

<https://medium.datadriveninvestor.com/dimensionality-reduction-and-feature-extraction-with-rbm-f499965979e9>

<https://www.latentview.com/blog/restricted-boltzmann-machine-and-its-application/>

<https://pyimagesearch.com/2014/06/23/applying-deep-learning-rbm-mnist-using-python/>

<https://hal.inria.fr/hal-01614991/document>

<https://journals.sagepub.com/doi/10.1155/2016/1851829>

[II] R&D Informatics Framework :

Just Follow our Technical Notes in the References and try to FINE TUNE the Algorithms presented there.

Very EASY to fine tune.

ALL THE BEST.

Thanks from Dr.Nirmal.

[III] References :

[a] <https://silvia-odwyer.github.io/photon/>

[b] <https://lib.rs/crates/cyclotomic>

[c] <https://crates.io/crates/cyclotomic>

*[d] <https://github.com/tejdnk-2019-ShortNotes/tejdnk-Space-Medicine-Informatics-github.io/blob/master/Rust-Photon-Movidius-Nir-21.pdf>**

*[e] <https://github.com/tejdnk-2019-ShortNotes/tejdnk-Space-Medicine-Informatics-github.io/blob/master/Web-Assembly-Img-Nir-2021.pdf>**

[IV] Acknowledgment/s :

Sincere Thanks to all WHO made this happen in my LIFE.Inspire others always.Non-Profit R&D.

[V] Conclusion/s + Future Perspectives : *One of the finest attempts to play with Rust + Electron Microscopy Images.Hope more will follow.*

[THE END]