Exploring Advanced Medical Image Processing & Related Informatics Using Ruby + Clifford Algebra + QRNG + Machine Learning + Wavelets.

Nirmal – Informatics R&D – USA/UK/Israel/Japan/BRICS Group of Nations. Current Member – ante Inst UTD Dallas TX USA.

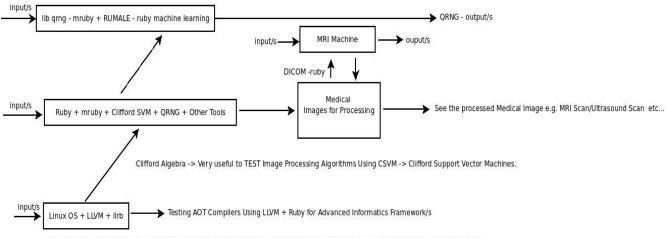
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[I] Main Idea + Inspiration + Introduction :

Ruby/mRuby w.r.t Tomographic Image Processing R&D Algorithms Using Wavelets + Support Vector Machines [SVMs] + QRNG [lib-qrng-mruby] + Clifford Algebra [CA] → Towards Testing Medical Instrument/s + Smart Devices + IoT + HPC Heterogeneous Systems & Computation.

[II] Ruby Based R&D Medical Image Processing + Informatics Framework:

Advanced Medical Image Processing + Informatics Framework - > MRI Scans
One of the pioneering R&D Efforts Using Ruby + Related Tools.
Ruby is meant for Humans NOT Machines -> According to Matz.
Keep Probing Advanced Image Processing Algorithms.

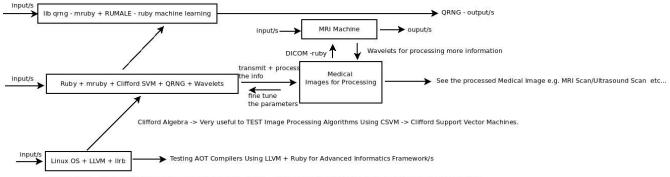


ALGORITHM I - SIMPLE BUT INTERESTING FREMWORK USING RUBY + OTHER RELATED ADVANCED SOFTWARE TOOLS & MATHEMATICS. WE ARE PROBING CLIFFORD ALGEBRA TO PROCESS MEDICAL IMAGES. FOR RAPID PROTOYPING RUBY IS THE BEST BET. TESTING IN PROGRESS.ACTUAL IMPLEMENTATION MIGHT VARY. PLEASE CHECK OUR NOTES ON VIXEA.ORG + GITHUB

THANKS FOR UNDERSTANDING - Dr.Nirmal.

[Figure I – Simple Algorithm I]

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[Figure II – Simple Algorithm II]

[III] Useful + Important References :

[a] https://github.com/tejdnk-2019-ShortNotes

[IV] Acknowledgment/s: Non-Profit R&D. Inspire Others Always.

[THE END]