

An insight into Building Hybrid Software Systems with Boost.Python + CoCoA Lib + ApCoCoA in Oil & Gas Industry - A Novel Algorithm towards testing of various Mathematical Concepts especially involving Commutative Algebra based on : SWI-Prolog/PENGINES + Smart Devices + IoT + HPC Heterogeneous Systems -> A Short Technical Communication & Suggestion.

Nirmal - Informatics R&D - USA/UK/Germany/Israel/Jordan/Armenia/BRICS Group of Nations.
Current Member - ante Inst UTD Dallas TX USA.
Contact_info - hmfg2014@gmail.com

[I] Main Idea + Inspiration + Introduction :

We explained in our TITLE - hope it is very clear.

[II] R&D Informatics Framework for Algebraic Oil Using Python & C++ for IoT informatics :

Computing Problems in Oil & Gas -> Let us use Grobner Bases + APCoCoA Lib to probe -> by running these Software on Bosch-XDK-IoT/RASP PI/SOLIDRUN/Zerynth IoT Systems.

Rigorous Testing in Progress @ the TIME of Submission.

[III] Important & Useful References :

[a] https://www.boost.org/doc/libs/1_78_0/libs/python/doc/html/article.html

[b] https://apcocoa.uni-passau.de/wiki/index.php?title=Main_Page

[c] http://apcocoa.uni-passau.de/download/apcocoa/linux-x86_64/apcocoa-1.8.0-QT-linux-x86_64.tgz

[d] https://www.symbcomp.fim.uni-passau.de/fileadmin/dokumente/fakultaeten/fim/lehrstuhl/kreuzer/NOCAS/NOCAS_-_Algebraic_Oil.pdf*

[e] <https://github.com/tejdnk-2019-ShortNotes> -> Lot of examples based on Multi-disciplinary R&D Algorithms -> Thanks -> Dr.Nirmal.

[f] <https://github.com/SWI-Prolog/pengines> -> SWI-Prolog -> Web Logic Programming made EASY.

[IV] Acknowledgment/s : Sincere Thanks to all WHO made this happen in my LIFE.Inspire others always.Non-Profit R&D.

[V] Conclusion/s with Future Perspectives : One of the pioneering R&D Efforts in this domain.Oil & Gas is an important sector of Science & Technology.

[THE END]