Understanding & Testing LLVM Code Generation Mechanisms w.r.t RUBY + HOL + QRNG + Machine Learning + Grobner Bases.

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[I] Main Idea + Inspiration + Introduction :

[a] https://github.com/tejdnk-2019-ShortNotes → Simple Technical Notes on Vixra.org + github.

CUBESAT Design-DLANG-2020-Testing-Complex Systems.pdf *

Nirmal-CUBESAT-GCCS-ControlSoftware-2020.pdf *

Nirmal-CUBESAT-HOL-Scala-Java-JVM-2020.pdf *

[II] R&D Informatics Frameworks Using Ruby + LLVM & HOL+ LLVM :

{ Consider → [YARV + LLVM CODE GENERATION] & [HOL-ISABELLE + LLVM CODE GENERATION] → Towards Developing Space Technology **R&D w.r.t LLVM Compiler System + QRNG + ML + GB}** →

We are trying to TEST CUBESAT as an Informatics Platform + Understand the Underlying Concepts using Ruby + HOL + Other Tools. Testing in Progress → Hardware + Software + Firmware. Please Check our Short Notes. We have already mentioned some possible ideas.

[III] Acknowledgment/s :

Sincere Thanks to ALL . *Non-Profit R&D* . Inspiring others is always GOOD.

[IV] Conclusion/s With Future Perspectives :

LLVM,is a toolkit for the construction of highly optimized compilers,optimizers, and run-time environments. This simple Short Technical Communication using Ruby + Isabelle-HOL + LLVM Software highlights some important concepts. To the best of our knowledge,this is one of the pioneering R&D Efforts to TEST CUBESAT Systems + its Advanced Informatics for Next Generation Space Experiments.

[V] Important References : [a] https://github.com/lammich/isabelle_llvm

[b] https://github.com/miura1729/yarv2llvm/tree/master

[THE END]