ProtonVM : A Parallel Byte Code Interpreter For Heterogeneous Hardware – Testing & Understanding of ProtonVM Performance

by Using →

{ Java/Scala/Ruby/JRuby/mruby/JikesRVM/Metascala/JamVM/JI Prolog/RASPBERRY PI + Bosch-XDK IoT Devices + IoT + HPC Systems – A Simple Technical Note & Suggestion }

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[I] Main Idea + Inspiration + Introduction :

as per the TITLE presented by us - please check ref [g]

[II] R&D Informatics Framework Using JVM Related Tools :

Just fine tune the algorithms shown in ref [e] & ref [f] – we are not repeating BLOCK DIAGRAMS.

We have already presented a number of examples + ideas using Vixra.org + github media. Hence,all the details are not presented here. Further,we believe it is easy for our readers to derive their own R&D Informatics Frameworks using the TITLE mentioned in this Short Technical Note or Communication.

Thanks for understanding – Dr.Nirmal.

Rigorous Testing in progress @ the time of submission.

Approximate ideas only – Actual implementation might vary – Please Check.

[III] Important & Useful References :

[a] https://www.khronos.org/opencl/

[b] https://github.com/tejdnk-2019-ShortNotes/2021-Nir-Informatics – **read all our examples.**

[c] http://apt.cs.manchester.ac.uk/ **- look for ProtonVM**

[d] https://github.com/beehive-lab/ProtonVM

[e] https://github.com/tejdnk-2019-ShortNotes/2021-Nir-Informatics/blob/main/ZFImgHOL2021.pdf ***

[f] https://github.com/tejdnk-2019-ShortNotes/2021-Nir-Informatics/blob/main/ZFPwBImgHOL2021.pdf ***

[g] https://github.com/tejdnk-2019-ShortNotes/2021-Nir-Informatics/blob/main/AVNET-U96-Ruby-Nir-21.pdf ***

[IV] Acknowledgment/s:

Sincere Thanks to all WHO made this happen inn LIFE. Non-Profit R&D. Inspire Others Always.

[V] Conclusion/s With Future Perspectives :

This is a wonderful idea to TEST - JVM/JRuby based IoT Informatics .

[THE END]

[15th of August-2021]