An Interesting & Inspiring Idea:

We are very much inspired by “Lie Algebra” and its interesting applications in the realms of Science & Technology domains involving multi-disciplinary R&D these days in the context of nanotechnology. It is therefore inspiring to present a simple technical note involving the above mentioned TITLE for the READERS. Schur Group theory Software written in C language could be easily interfaced with Ruby language. Therefore, we could explore the many useful features of Ruby language in the context of Machine Learning/IoT/Cloud Applications etc.

“Machine learning may improve molecular design for nanotechnology”

My inspiration comes from the R&D works of Professor B G Wybourne
{ https://fizyka.umk.pl/~bgw/index.html }
Informatics Framework Implementation:

![Informatics Framework Implementations Diagram](image)

Figure I – Approximate Informatics Framework – Presenting our Idea

Information from the Published Scientific Literature:

"In particular, his package Schur must be regarded as necessary to both mathematicians and physicists whose work is dependent on calculations involving compact Lie groups and Schur functions" Mathematical Reviews 93f: 05101 (1993).

"Finally, we should mention that Wybourne and his colleagues at the University of Canterbury in Christchurch, New Zealand have developed a nice package called Schur which run's on PC's and which computes all the above products of Schur functions plus a great deal more branching rules, etc for Lie groups." Acta Applied Mathematics 21, 105 (1990).

"Over two decades, Wybourne and his students have developed a computer program, Schur, which performs many of the required calculations." Classical and Quantum Gravity 9, 1151 (1992).

Source: http://schur.sourceforge.net/
Information on Mathematics & Software Used:


[10] https://foresight.org/machine-learning-may-improve-molecular-design-for-nanotechnology/


Acknowledgement/s:

I sincerely wish to thank all my friends and mentors, who helped me in drafting this technical communication or short note.

THE END