

Approximability of Lie groups

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Recently, Boris Zilber has put forward a program to revise foundations of physics based on model theory. I will present my understanding of (a small part of) this program, and discuss arising questions about approximability, in model-theoretic terms, of compact Lie groups by finite groups.

References

- [1] Zilber, B. Perfect infinities and finite approximation *Infinity and Truth* (ed. C. Chong et al.), World Scientific, 2014, 199–223.
- [2] Zusmanovich, P. On the utility of Robinson–Amitsur ultrafilters. II arXiv:1508.07496.