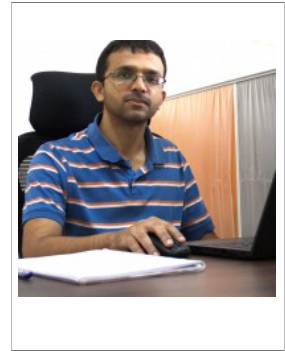




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Research Interests

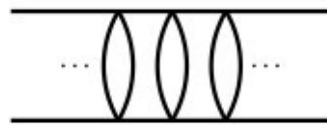
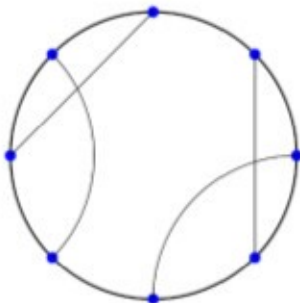
- Quantum Field Theory.
- String Theory.

Brief Summary of Research

Prithvi's area of research is in quantum field theories (QFTs) and string theory, specifically in strongly coupled QFTs and in the various approaches to understand it. Recently he is working on the Sachdev Ye Kitaev model. He has published 17 research papers in refereed international journals.

Solving Sachdev Ye Kitaev Model

$$H = (i)^{\frac{q}{2}} \sum_{j_{i_1 i_2 \dots i_q}} \psi_{i_1} \psi_{i_2} \dots \psi_{i_q}$$



Recent Publications (Full list of publications: <https://scholar.google.ca/citations?user=65dcJGwAAAAJ&hl=en>)

- F Haehl, R Loganayagam, P Narayan, M Rangamani, "Classification of out-of-time-order correlators," *SciPost Physics* 6 (1), 001.
- M Berkooz, P Narayan, J Simon, "Chord diagrams, exact correlators in spin glasses and black hole bulk reconstruction" *Journal of High Energy Physics* 2018 (8), 192..