

Talks List (2018-2019)

Talks poll (those ready to be presented sometime):

- Fluid Mechanics - Remastered (Aiman)
- Gauge Theory (Aiman)
- Fuzzy Physics - Doing and deriving physics with fuzzy maths (Ugne)
- General Relativity Marathon (Weekly Seminar) (Aiman) - [in Progress every Saturday](#)
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Talks in progress (presenter not yet ready/still needs time to prepare):

- Quantum Computing and Quantum Information (Khaled)
- Extinguishing Fire with Sound (Roshan)
- Symplectic geometry in Physics (Deepak)
- The Problem of Quantisation (Aiman)
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Talks suggestions (please add topics here you'd like to learn about, but don't necessarily want to present yourself. If you'd like to present on one of the topics suggested by anyone, feel free to move it to one of the lists above and tag it with your name):

- (More on) Quantum Computing
- Chaos
- Ostrogradsky's Theorem on Hamiltonian Instability
- Singularity Theorems and the Big Bang
- Blackhole Information Paradox
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Talks presented already:

- Summer (Physics) Internships Presentations (Aiman, Ugne) [Link for more info](#)
- Scientific Typesetting with LaTeX workshop (Yiping "Scott") [Workshop page: Presentation slides, examples ..etc](#)
- Dimensional Analysis (Aiman) [Talk page with notes](#)
- Nobel Prize 2018 Presentation (Prof. Materny) [Abstract page with presentation slides](#)
- Interactive Simulations (Aiman) [Talk page with notes and simulation](#)
- Evil Quaternions and Electrothermomagnetism (Aiman) [Talk page with notes](#)
- Noether's Theorem in Depth (Crystal)
- Tensors with Penrose Diagrammatic Notation (Santa) [Notes prepared for this talk](#)
- Introduction to the Standard Model of Modern Cosmology (Aiman) [Talk page with notes](#)
- Introduction to visual Astronomy (Julian) [Presentation Slides](#)
- Causality (Ugne)
- Planetary Science: A crossover for natural sciences and engineering (Prof. Angelo Pio Rossi)
- Szilard the Demon Slayer: Live Long 2nd Law (Aiman) [Talk page](#)
- Nambu Mechanics (Aiman)
- Kaluza-Klein Theory - Given as Presentation for course "Particles and Fields" (Aiman)
- Romance of Blackholes and Time travel - In Celebration of Finishing the GR Marathon (Aiman)