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Phys 343 project

Information theory

Information theory is becoming a very important branch of physics, some scientists believe that nature can be explained purely in terms of information theory.

In this project, you will write about information theory and its baics notions. You may include:

1. Introduction to information in physics.
2. Basic notions in information theory.
3. Information and entropy
4. Complexity.

You should include the references in your project

- Carter, T., & Fe, S. (2007). An introduction to information theory and entropy. Complex systems summer school, Santa Fe.
- S. Teitel (2004) Lecture notes in statistical mechanics, Lecture 25 .
<http://www.pas.rochester.edu/~stte/phy418S04/lectures.html>

Best Regards,

Dr Salwa Alsaleh