

School of Mathematics

Course 343 — Introduction to Kolmogorov's Theory of Turbulence 2005-06
(JS & SS Theoretical Physics, M.Sc. Students)

Lecturer: Professor Siddhartha Sen

Requirements/prerequisites:

Duration: 1 term, 9 weeks

Number of lectures per week: 2

Assessment:

End-of-year Examination: One 1.5 hour examination at end of course.

Description:

The course uses simple physical arguments to understand the Lamb Shift, Gamow's way of predicting the microwave background temperature and some other examples. An introduction to the path integral is given as well as methods for evaluating integrals using symmetry arguments.

October 12, 2005