



Indian Institute of Science Education and Research

(IISER - Pune)

Dr Homi Bhabha Road, Pashan, Pune 411008.

Lab training/theory Project

BIO/CHM/ECS/HSS MPH/PHY 301/302/401/402

Semester: Fall / Spring- 2018..

Name of student: RAJ PATIL

Name of instructor: SUNEETA VARDARAJAN

Duration of project: One semester

Title of reading/research project: Aspects of Black holes

Objectives of research/reading project:

Classical black holes - Schwarzschild, Kerr,

Penrose diagrams, Chapter 9 from Carroll's book.

Structure of the project (Please specify: what the expectations are for the student: e.g. weekly reading, lab work; weekly meetings/discussion with mentor; field work; etc.)

Discussion once a week / presentation.

Mid-sem presentation

End-sem presentation or report

Evaluation criteria: evaluated (include percentage of grade for each component):

1) Periodic discussions: 60%,

2) Lab notebook:

3) Mid-semester report: presentation 10%.

4) End semester report: ^{or (for 5)} { 30%

5) Presentation:

6) Other —



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Evaluation committee:

- 1) Mentor: Sunetra Vardarajan
- 2) Other: Dr. Sachin Jain.

I have understood the terms and guidelines of the project. I am aware of my responsibilities and the evaluation criteria. I shall make every effort to fulfill these to the best of my abilities.

Signature of the student

A handwritten signature in blue ink that reads "Raj Patil" over "Student".

Name: RAJ PATIL

Roll no.: 20151143 .

Signature of the mentor

A handwritten signature in blue ink that reads "SUNETRA VARDARAJAN".

Date: Aug 6, 2018