

Tópicos em Relatividade Geral

Prof. Jailson Alcaniz

Course Meeting Times

Lectures: 1 session/week; 1.5 hours/session

Total: 30 hours

Overview

The course deals with some important aspects in the field of gravitation, including the following topics:

- Gravitational Waves (GW);
- Modified Gravity (MG);
- GW and MG Applications to Cosmology

Prerequisites

General Relativity.

Grading

The final grade will be based on 2 problem sets.

Bibliography

Cosmology, Steven Weinberg

Gravitational Waves: Theory and Experiments, Michele Maggiore

Beyond Einstein Gravity, Salvatore Capozziello & Valerio Faraoni