

Black Holes and Gravitational Waves – Part 2

Dr. Davide Gerosa*

*School of Physics and Astronomy and Institute for Gravitational Wave
Astronomy, University of Birmingham, Birmingham, B15 2TT, UK*

Skeleton

More or less everything I cover in this class comes out of Maggiore's textbook:

Maggiore, Michele. "Gravitational waves. Volume 1: Theory and experiments." Oxford University Press, 2008.

I did not type my notes because you are surely better off studying the book. Here below are the Sections of the book that I plan to cover:

- Sec. 1.1, p. 4 (quick recap).
- Sec. 1.2, p. 7 (quick recap).
- Sec. 1.4 (all subsections), p. 26.
- Sec. 3.1, p. 102.
- Sec. 3.2, p. 105.
- Sec. 3.3.1, p. 109.
- Sec. 3.3.2, p.113.
- Sec. 3.3.3, p. 114 (quickly).
- Sec. 3.3.4, p. 116.
- Problem 3.2, p. 158.
- Problem 3.3, p. 161 (quickly).
- Sec. 4.1 (intro), p. 167.
- Sec. 4.1.1, p. 169.
- Problem 4.1, p. 230.

* d.gerosa@bham.ac.uk