Closed-form solutions of spinning BBHs at 1.5PN (using action-angle variables)

Lecture Workshop (Univ. of Illinois Urbana-Champaign)

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References

- **RESEARCH PAPERS**
  - The standard way of computing the solution (without 1PN part): https://arxiv.org/abs/1908.02927
  - Action-angle-based solution: https://arxiv.org/abs/2012.06586, https://arxiv.org/abs/2110.15351
- **LECTURE NOTES**
  - Lecture notes (latest): https://github.com/sashwattanay/lectures_integrability_action-angles_PN_BBH/blob/gh-action-result/pdflatex/lecture_notes/main.pdf
  - Lecture notes (for citation purposes): https://arxiv.org/abs/2206.05799
- **MATHEMATICA PACKAGE**
  - https://github.com/sashwattanay/BBH-PN-Toolkit
- **YOUTUBE VIDEO**
  - https://youtu.be/aoiCk5TtmvE
- **THE PRESENTATION**
  - https://github.com/sashwattanay/lectures_integrability_action-angles_PN_BBH/blob/main/UIUC_workshop_presentation/uiuc_workshop_presentation.pdf