



Astrophysics Working Group White Paper



**Astrophysics Working Group Meeting
Virtual – 14 June 2021**

Philosophy

- ***Review the current state of LISA related astrophysics***
 - Contact points with the historical and modern literature
 - LISA contact with other areas of astronomy & astrophysics
- ***Outline open questions (for both pre- and post-flight era)***
 - What currently needs work and attention (overlap with Work Packages)
 - What are contact points with other WG (overlap with Cosmology, etc)
 - What are interesting questions where little work has been done?
- ***New & Unpublished Ideas and Work***
 - Should be redirected to a new publication; included in next revision

Current Status

- ***Working Group Chairs ~ Homogenization***
 - Common treatments across all chapters
 - Streamlining discussions, paring out unsupported sections
 - Level out discussion and references (added refs, etc)
- ***Editing***
 - Editing currently limited to chairs
 - Small text changes are being made in place
 - Large changes will be done in consultation with Coordinators
- ***Community Effort***
 - Author list remain as is, regardless of how text currently evolves
 - WP represents a large community of us (500+), so chairs are balancing everyone's views/opinions on content and form

Timeline

- ***Currently***

- Chairs still editing chapters; we can make periodic PDFs available for those who are interested in watching the evolution
- Chapter Coordinators consulted for all large changes; can/will reach out to the writing teams for work and support as needed

- ***P&P / Consortium delivery***

- P&P proposes have a reviewers from outside AstroWG and a reviewer from within who was not writing on WP

- ***Journal Submission***

- Structures and formats will have to conform to journal standards
- After journal submission, expect a round of referee responses

Expect ~ 6 months to completion {?}; lower level effort