Phil-aments: Discussion

- Why are filaments so ubiquitous -- and what does it say about their formation? Are they needed for core formation?
- What role does turbulence play in fragmentation? Is it a source of support?
- Systematic measurements of what quantity is most likely to advance our understanding of filamentary structure and bring about a paradigm shift? (density?, velocity field?, polarization?, b-field?, ....)
- The end result of fragmentation in the “phil”-ament will be the clump/core MF - is it just a scaling (efficiency) between the stellar IMF and the core MF?
Phil-aments: Discussion

• Question for observers: what is the typical spacing between cores in different regions? Does it follow an particular pattern (i.e. Jeans length)?
Phil-aments: Discussion

• Why are filaments so ubiquitous -- and what does it say about their formation? - Phil???

• Are filaments needed for core formation?

• What role does turbulence play in fragmentation? Is it a source of support?