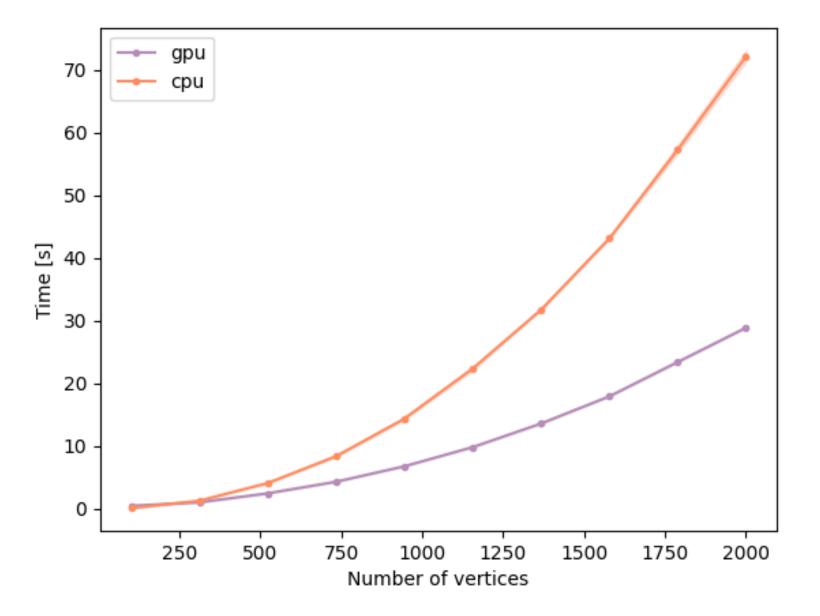
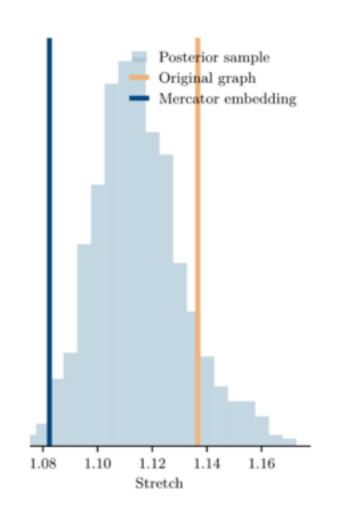
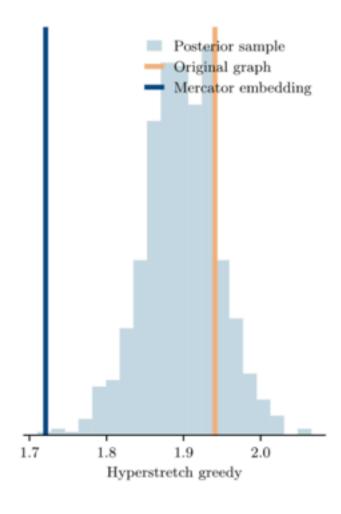
Challenges: some solutions

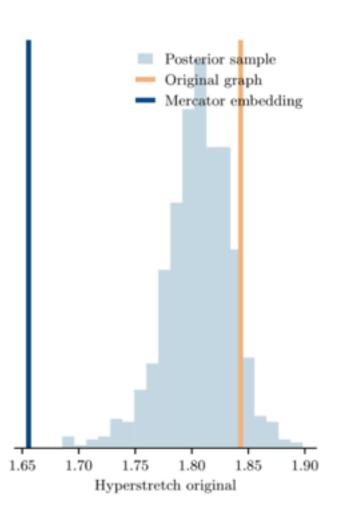
Still slow...

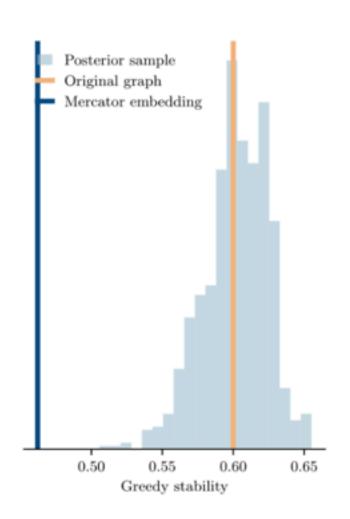


... but we now have uncertainties on graph metrics!

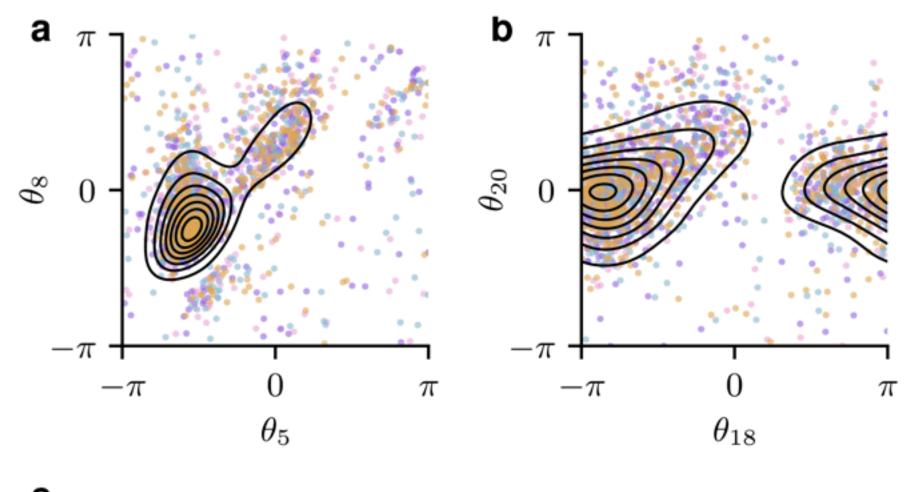


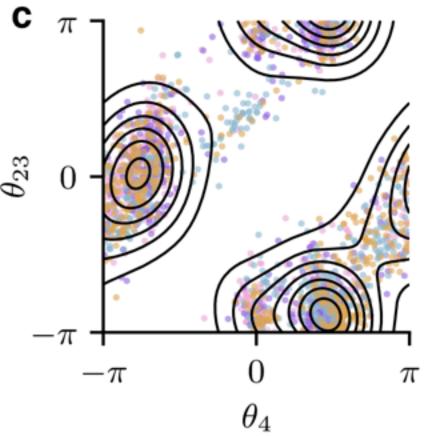






...and these uncertainties are not "trivial" (non-normal).









- Chain 4

Challenges

- Network geometry is a promising framework, but its applicability relies heavily on our capacity to find high quality embeddings of the original datasets, which is hard.
- ▶ We cannot power our way through this challenge using GPUs or supercomputers: we need to design smarter algorithms.



M. Ángeles Serrano Universitat de Barcelona & ICREA



Jérémi Lesage Université Laval

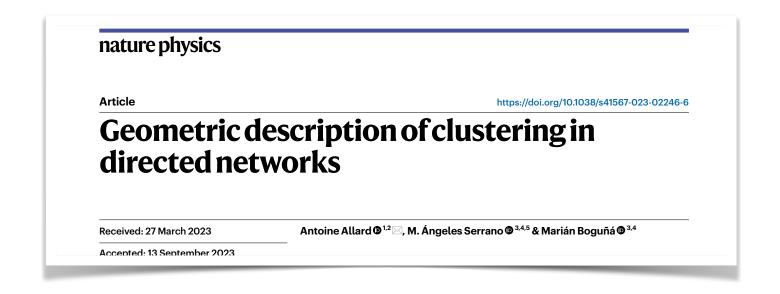


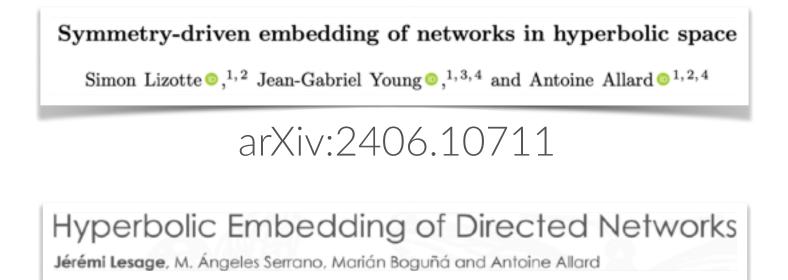


Jean-Gab Universit

Jean-Gabriel Young University of Vermont







Preprint on arXiv expected early 2025