



Hydrodynamics of Flocking Chiral Ferromagnetic Nanoparticles

Alireza Fazeli Doctoral Candidate SoftSimu Research Group Department of Applied Mathematics University of Western Ontario

alr.fazeli@gmail.com

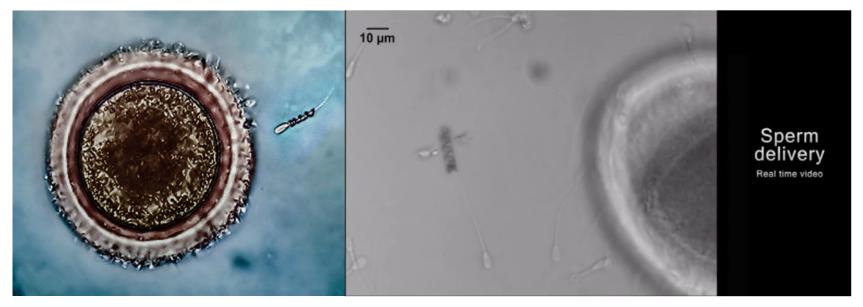
Supervisor: Prof. Mikko Karttunen



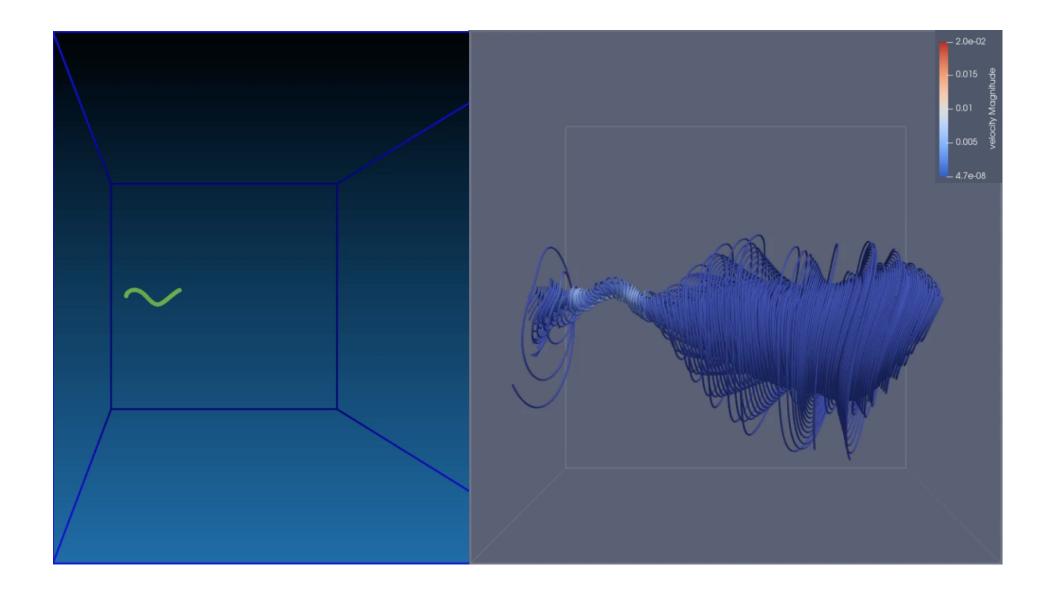
twitter.com/softsimu_info

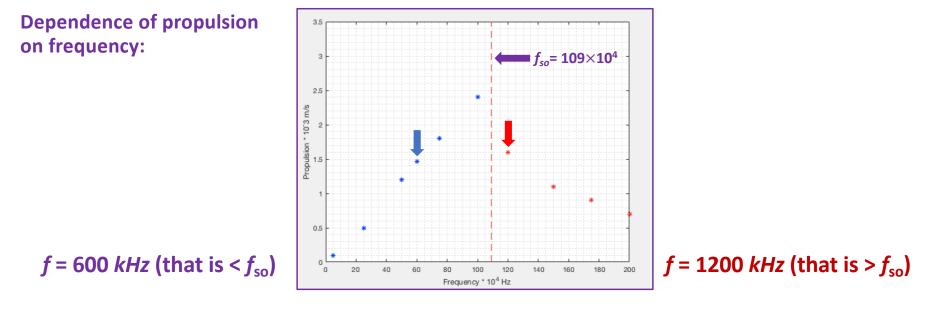
Some application of nano/micro swimmers:

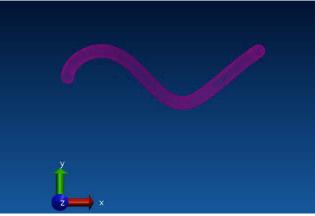
- Targeted drug delivery
- Microfluidics
- Assisted fertilization
- etc...



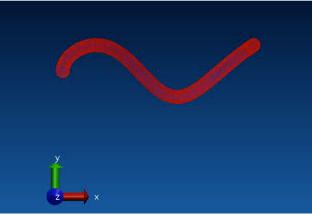
(Nano Lett., 2016, 16 (1), pp 555-561)

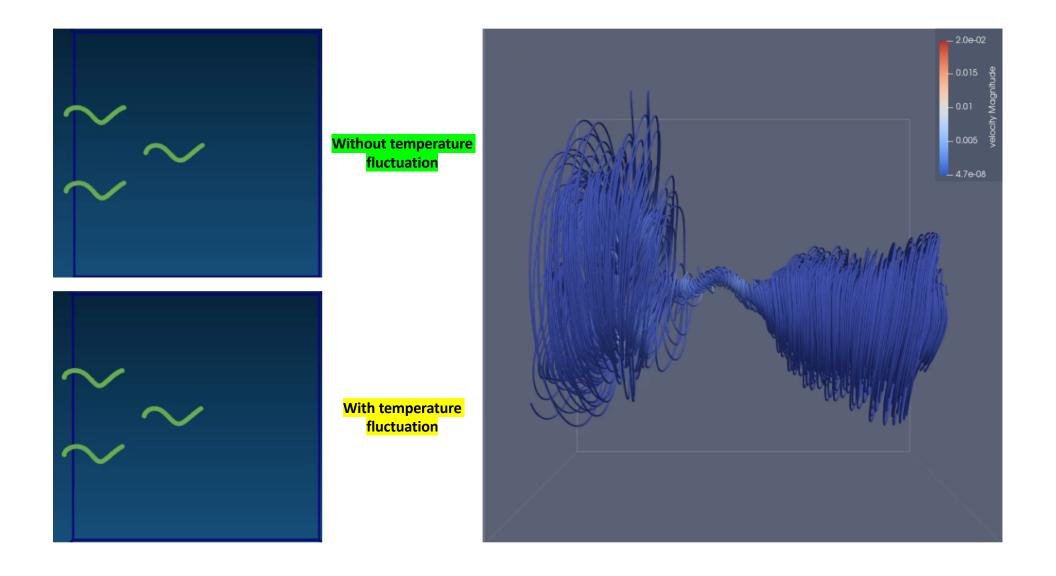


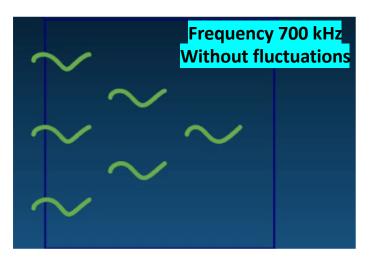


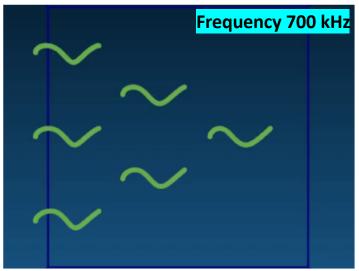


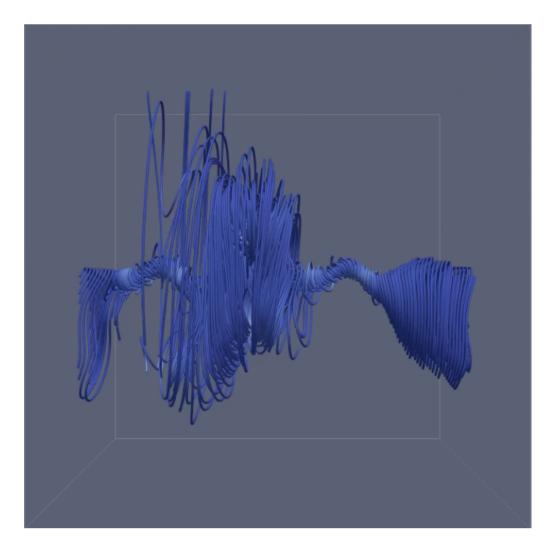
Re = 2.7×10⁻⁴

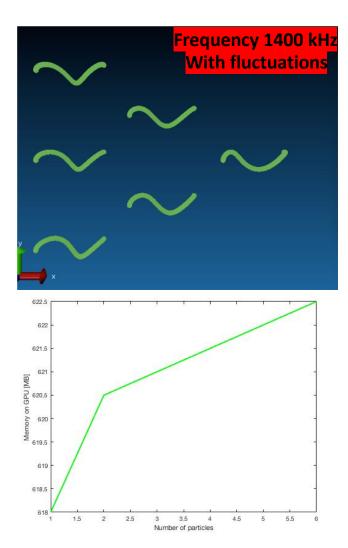




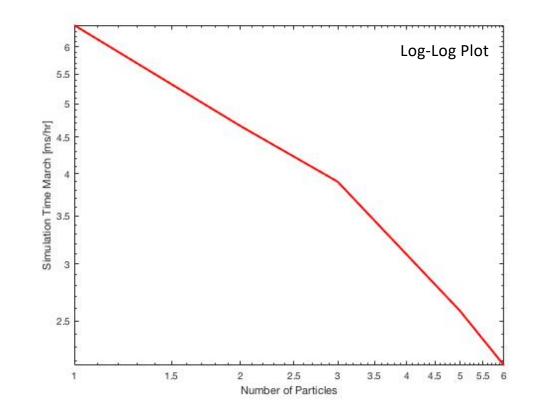








One NVIDIA® Tesla® V100 Tensor Core 16GB on Beluga



Please visit/follow our group's social media pages: twitter.com/softsimu_info

