Motion of a large number of small rigid bodies in a viscous incompressible fluid Dr. Arnab Roy (TU Darmstadt)

In this talk, we consider the motion of several small rigid bodies immersed in a viscous incompressible fluid contained in a domain. We show the fluid flow is not influenced by the presence of the infinitely many bodies in the asymptotic limit. The result depends solely on the geometry of the bodies and is independent of their mass densities.