Controlled self-organisation of Langmuir monolayers via the physical characteristics of a complex fluid A novel approach to crystal growth?



L.Wiegart¹ B.Struth¹ O.Konovalov¹ P.Terech² M.Tolan³ ¹ESRF (Grenoble) ²CEA/CNRS (Grenoble) ³University of Dortmund (Germany)



Introduction

The positive charge in the lipid headgroup tip and the negative charge excess on the mineral surface lead to an adsorbed mineral monolayer at the liquid air interface while the bulk viscosity is increased by a network of mineral particles.



