



VI Congreso de Jóvenes Investigadores de la RSME

Mathematical challenges in fluid dynamics and kinetic theory

Coordinadores: Diego Alonso, Claudia García, Eduardo García-Juárez y David Poyato

Lunes 6 de febrero, aula 211

Moderador: David Poyato

12:30 *Monokineticity and mean-field limit for strongly singular Cucker-Smale model*, Michał Fabisiak

13:00 *Homogenization of Stokes equation with randomly rotating particles*, Marta Leocata

Moderador: Eduardo García-Juarez

18:45 *On the Rayleigh-Taylor instability*, Björn Gebhard

19:15 *Long time behaviour of BGK models for heat transfer*, Josephine Evans

Martes 7 de febrero, aula 211

Moderadores: Jaemin Park y Claudia García

11:30 *Turbulence and convex integration*, Francisco Mengual

12:00 *Macroscopic limit of the Vlasov-Poisson-Fokker-Planck model*, Alain Blaustein

12:30 *Study of the asymptotic behavior of the NNLIF model*, Alejandro Ramos Lora

13:00 *Highest Cusped Waves for the Burgers-Hilbert and Fractional KdV equations*, Joel Dahne

Moderadora: Claudia García

18:45 *Small scale creation for the 2D Boussinesq Equation*, Jaemin Park

19:15 *Skeleton for the one-dimensional aggregation equation*, Juan Carlos Cantero

Miércoles 8 de febrero, aula 211

Moderador: Diego Alonso Orán

10:00 *Existence and decay for some fourth order problems*, Martina Magliocca

10:30 *Muskat equation with unbounded data*, Omar Sanchez Antonio



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