

PDE1: Theoretical studies and numerical resolution of models involving PDE's

Monday (06/07) 15:00-16:40

15:00. María González. "Numerical analysis of a model for flow in deformable porous media".

15:25. María Jesús Moreta. "Exponential Rosenbrock methods without order reduction when integrating nonlinear initial boundary value problems".

15:50. Francisco Pla. "A domain decomposition method applied to the Rayleigh-Bénard convection problem".

16:15. Carlos Arraz. "A splitting approach for the nonlinear Schrödinger equation based on rational methods".

Monday (06/07) 17:00-19:05

17:00. Silvia Barbeiro. "A discontinuous Galerkin method for pseudo-parabolic diffusion models".

17:25. Hiram Varela. "A new stable numerical method for the Darcy–Forchheimer porous media flow problem"

17:50. Rommel Bustinza. "Solving an acoustic vibration problem based on pressure with hybrid high order method".

18:15. Begoña Cano. "Long-term behaviour of symmetric partitioned linear multistep methods when integrating some nonlinear dispersive wave models".

18:40. Carmelo Clavero. "Systems of evolutive singularly perturbed problems with turning points: efficient numerical resolution".