

Long time behaviour of quantum and classical systems



ID de Contribution: 2

Type: **Non spécifié**

Scattering for nonlinear Vlasov equations I

lundi 25 mars 2024 14:00 (2 heures)

The minicourse will be about the long-time behaviour of solutions to the Vlasov–Poisson or Vlasov–screened Poisson equations, set in the whole space.

We will mostly try to review: (1) global existence and (modified) scattering for small initial data; (2) scattering in the screened case for initial data close to stable homogeneous equilibria. The approach we will follow for both problems is based on the study of the characteristics associated with Vlasov equations.

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