POST-DOC OFFER

Kinetic theory (analysis & numerics)

Beginning : Sept. 2022 (flexible)

Length : 12 months.

Work Context : The successful candidate will be based at the Institut Mathématiques de Toulouse and will work with Francis Filbet. This post-doctoral project shall be considered as a first contact in our research group. If successful, possible extensions of the contract may be proposed on other funding sources.

Missions : The subject is relatively open accordingly to the research programm and the experience of the successful applicant. Central questions of this project are a deep understanding of the mechanisms underlying in kinetic theory (Vlasov-Poisson system, Boltzmann equation, Landau equation). From methodological point of view, the project will mix theoretical and numerical aspects with a numerical implementation of the models. No teaching load is included in this position.

Income and fundings : between 2663 and 3783 euros gross salary depending on experience per month. The post-doctoral position is funded by ANR funds.

Application : The application process is by e-mail. Candidates shall upload a CV indicating their academic background (Master, PhD and eventual previous post-doctoral positions), together with a short description of the research activities so far (3/4 pages maximum), and the names and coordinates of two references. Complete articles should not be included to the CV, but links to Arxiv or a web page are very welcome.

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