

Simulations for Vlasov-Maxwell-Landau systems

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ABSTRACT

We discuss a hybrid numerical approach to Vlasov-Poisson-Landau systems where a splitting algorithm allows for a conservative approach for the whole system, where the Landau operator is computed by an spectral based solver, and both, the Vlasov-Poisson and Vlasov Maxwell system, is computed by a conservative Discontinuous Galerkin approach.