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## Fractional diffusion approximation for kinetic equations

*Friday, May 24, 2024 1:30 PM (1 hour)*

After a short introduction to kinetic equations, I will explain the principle of diffusion approximation which justifies the fact that the solution of a kinetic equation is approximated by an equilibrium profile with a density satisfying a macroscopic equation. I will then focus on the Fokker Planck equation with heavy tail equilibrium handled by a spectral method.

**Presenter:** PUEL, Marjolaine