

Large time stability issues for finite difference schemes (session 2)

Wednesday, October 26, 2022 2:00 PM (1h 30m)

Following session 1, we shall present some sharp estimates for the Green's function of finite difference schemes that approximate the incoming transport equation on a half-line. The stability analysis relies on a precise description of the possible eigenvalues arising from the interplay between the finite difference scheme and the numerical boundary conditions. The talk is based on a joint work with Jean-François Coulombel.

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