

## Non autonomous degenerate parabolic problems

*Monday, 22 April 2024 11:50 (30 minutes)*

Inspired by a Budyko-Seller model, we consider non-autonomous degenerate parabolic problems. Using Kato's Theorem, we first prove the well-posedness of such problems. Then, obtaining new Carleman estimates for the non-homogeneous adjoint problems, we deduce null-controllability for the original ones. Some linear and semilinear extensions are also considered, as well as open problem and work in progress.

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