

Some asymptotic supnorm estimates for convection-diffusion equations and systems

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Resumo/Abstract:

We discuss a direct method to obtain general large time bounds for the supnorms of solutions for various 1D convection-diffusion initial value problems (as, for example, in [1], [2]) . We also mention some open interesting problems.

References

- [1] P. BRAZ E SILVA, P. R. ZINGANO, *Some asymptotic properties for solutions of one-dimensional advection-diffusion equations with Cauchy data in $L^p(\mathbb{R})$* , C. R. Acad. Sci. Paris, Ser. I, 342, (2006), 465–467
- [2] P. BRAZ E SILVA, W. G. MELO, P. R. ZINGANO, *An asymptotic sup norm estimate for solutions of 1-D systems of convection-diffusion equations*, Journal of Differential Equations, v. 258, (2015), 2806–2822