

Gevrey well-posedness for 3-evolution equations with variable coefficients

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Abstract. We study the Cauchy problem for a class of third-order linear anisotropic evolution equations with complex-valued lower-order terms depending on both the time and space variables. Under suitable decay assumptions for $|x| \rightarrow \infty$ on the symbols of these terms, we prove a well-posedness result in Gevrey-type spaces.

Mathematics Subject Classification (2020): 35G10 (primary); 35S05, 35B65, 46F05 (secondary).