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*Hypercyclicity of Toeplitz operators*

The study of Toeplitz operators from the point of view of linear dynamics began with a seminal work by Godefroy and Shapiro, in which they characterized when a Toeplitz operator on the Hardy space with anti-analytic symbol is hypercyclic (i.e., has a dense orbit). Shkarin later characterized the hypercyclicity of tridiagonal Toeplitz operators, and his result was extended first by Baranov and Lishanskii, and later by Abakumov, Baranov, Charpentier, and Lishanskii.

In this talk, I will discuss a new characterization of the hypercyclicity of Toeplitz operators that we obtained using a model theory developed by Yakubovich in the 1990s.

This is a joint work with E. Fricain and S. Grivaux.