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## LYAPUNOV THEOREMS FOR MEASURE FDES VIA KURZWEIL-EQUATIONS

This is a joint work with Márcia Federson and Jaqueline G. Mesquita. We consider measure functional differential equations (we write measure FDEs) of the form  $Dx = f(x_t, t)Dg$ , where  $f$  is Perron-Stieltjes integrable,  $x_t$  is given by  $x_t(\theta) = x(t + \theta)$ ,  $\theta \in [-r, 0]$ , with  $r > 0$ , and  $Dx$  and  $Dg$  are the distributional derivatives in the sense of the distribution of L. Schwartz, with respect to functions  $x : [t_0, \infty) \rightarrow \mathbb{R}^n$  and  $g : [t_0, \infty) \rightarrow \mathbb{R}$ ,  $t_0 \in \mathbb{R}$ . We establish a Lyapunov-type theorem for measure FDEs via theory of generalized ordinary differential equations (also known as Kurzweil equations).

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