Boundedness of solutions of measure differential equations and dynamic equations on time scales

Jaqueline G. Mesquita *

In this talk, we investigate the boundedness results for measure differential equations. In order to obtain our results, we use the correspondence between these equations and generalized ODEs. Furthermore, we prove our results concerning boundedness of solutions for dynamic equations on time scales, using the fact that these equations represent a particular case of measure differential equations.

Joint work with M. Federson (Universidade de São Paulo), R. Grau (Universidad del Norte) and E. Toon (Universidade Federal Juiz de Fora).

References

[1] M. FEDERSON, R. GRAU, J. G. MESQUITA AND E. TOON, *Boundedness of solutions of measure differential equations and dynamic equations on time scales*, Journal of Differential Equations, 263, p. 26-56, 2017.

*Department of Mathematics, Universidade de Brasília, email: jgmesquita@unb.br