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*Massera's Theorem for dynamic equations on time scales and applications*

In this talk, we prove Massera's type result for nonlinear dynamic equation on time scales defined on  $\mathbb{R}$  and on infinite dimensional Banach space. Also, we prove that any almost periodic solution of dynamic equation on time scales is a  $p$ -periodic solution of this equation. These first results hold for any invariant under translations time scales. We also prove a version of Massera's theorem for linear and nonlinear  $q$ -difference equations. Finally, we provide some examples to illustrate our results. The main new results are parts of two joint works, one of them with Hernán Henríquez and Eduard Toon, and the other with Martin Bohner.