## A solution to fractal Hilbert's 16th problem for slow-fast Lienard equations

## Renato Huzak

Hasselt University, Belgium

We introduce a fractal version of Hilbert's 16th problem for slow-fast Lienard equations of type (n, m) and give a complete fractal analysis of canard cycles with parts at infinity. We have 3 different cases: m < 2n + 1, m = 2n + 1 and m > 2n + 1. This will be related to the number of limit cycles.