## Examples of non-trivial accumulation of secants in dimension three

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## Resumo

We present new examples of accumulation of secants for orbits (of a real analytic three dimensional vector fields) having the origin as only  $\omega$ -limit point. These new examples have the structure of a proper algebraic variety of  $\mathbb{S}^2$  intersected with a cone. In particular, we present explicit examples of accumulation of secants sets which are not in the list of possibilities of the classical Poincare-Bendixson Theorem.