



Seminário de Sistemas Dinâmicos da UFF

ROTATION OF ACCESSIBLE POINTS IN ESSENTIAL ANNULAR CONTINUA

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Hora: 14h.

Local: Sala 407, Bloco H, Campus do Gragoatá.

Resumo

We study dynamics and the rotation number in the annulus. A classical example is the Birkhoff attractor C , it contains periodic points of rotation number equal to any rational number in a non-trivial interval. We focus in the set of points p of C which are *accessible* from above, i.e., there is a path contained in the upper region of the complement of C that lands at p . This set has a natural circular order and thus a rotation number $\hat{\rho}$ that turns out to be an endpoint of the rotation interval of C . In the talk we will give a result that connects $\hat{\rho}$ to the rotation number of the forward or backward orbit of any accessible point. The result is valid for any invariant essential annular continua.