



SEMINÁRIO DE EQUAÇÕES DIFERENCIAIS PARCIAIS

What could Hamiltonian delay equations be?

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Sala 321 do IMECC

Resumo: This is joint work with Peter Albers and Felix Schlenk. Although we do not know what a Hamiltonian delay in general is, we describe a variational approach to their periodic solutions. I will explain how periodic solutions of some delayed Lotka-Volterra equations arise in this way. Finally I will discuss how this leads to some new directions and challenges for Floer homology. [arXiv:1802.07453](https://arxiv.org/abs/1802.07453) [arXiv:1802.07449](https://arxiv.org/abs/1802.07449) [arXiv:1802.07445](https://arxiv.org/abs/1802.07445)