Dynamical Systems Seminar

Date. June 7, 14h30

Place. Room M031

Speaker. Cristiana Silva[1] (University of Aveiro)

Title. Tuberculosis mathematical models and optimal control interventions

Abstract. We present several mathematical models for tuberculosis (TB). We apply optimal control to a specific TB mathematical model and show how this theory can help on the reduction of the number of infectious TB individuals.

Remark. Coffee with the speaker is served after the talk (15h30 - 16h00)

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[1]Cristiana Silva is currently a Postdoctoral researcher at University of Aveiro. She obtained the M.Sc. (2005) and Ph.D (2010) degrees in *Mathematics* at University of Aveiro, under the supervision of Prof. Delfim Torres and Prof. Emmanuel Trélat. Cristiana is particularly interested in optimal control, calculus of variations and mathematical models of infectious diseases epidemiology. Cristiana's homepage is http://www.univ-orleans.fr/mapmo/membres/silva/

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