Anti-angiogenic therapy based on the receptors

CRISTIAN MORALES-RODRIGO Dpto. de Ecuaciones Diferenciales y Análisis Numérico Fac. Matemáticas Univ. Sevilla cristianmatematicas@yahoo.com

This talk is devoted to a nonlinear system of partial differential equations modelling the effect of an anti-angiogenic therapy. We will prove global well-possedness, the existence of non-trivial steady-states by the bifurcation method and the effect of the therapy in the lineariased stability.