

Bounded and unbounded solutions of degenerate logistic equations

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We consider positive solutions of degenerate logistic equations in the case the space dependent coefficient of the absorption term vanishes in an arbitrary compact set.

We show how topological and geometric–measure properties of this “vanishing” set determine whether solutions remain bounded or become unbounded with time.

We also mention some results indicating in which parts of the vanishing set, the solutions become unbounded or not.

This is a joint work with J.M. Arrieta and R. Pardo.