

Colloquium

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Friday, April 29, 2011 at 3pm in Bell Hall 143

On the logistic equation with non-periodic harvesting

The talk will focus on the logistic equation with non-periodic harvesting. The periodic case of this problem has been studied by a number of authors. However, there seems to be little or nothing about the non-periodic case. We will introduce the notion of separated solutions and show the existence of upper and lower solutions that are separated. It will be shown that the lower solution is unique. An attempt will be made to make the talk simple and elementary for general audience, not necessarily specialists.