On the Concept of Biological Control in a Competition Chemostat Model

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We investigate a known competition model of the chemostat with general (nonmonotone) response functions and distinct removal rates. Based on the competitive exclusion principle A. Rappaport and J. Harmand [**?**] established the concept of the so called biological control. The proof of the latter result is based on a theorem of B. Li [**?**]. Here we first propose a modification of Li's theorem and then present an extension of the biological control concept. The theoretical results are demonstrated numerically on particular examples.

References

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