

Vortragsankündigung

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Titel: GSP food chain models

Abstract: Modelling population dynamics of ecosystems has become more and more specialised in the recent decades. The GSP food chain model class is one such specialisation as it models the dynamics of a specific food chain involving a generalist predator (G), specialist predator (S) and prey (P) species. The differentiation between the predators is necessary as the limitations to their reproduction rate are supposed to be fundamentally different. In the talk a corresponding ODE-model will be considered. The dynamical behaviour of its solutions will be discussed under aspects such as long-term behaviour and bifurcations. Also an extension of that food chain model to arbitrary length will be presented.

Ort: Raum 248 Hauptgebäude

Termin: Freitag, 15.12. 2017, 10:00 Uhr

Alle Interessenten sind herzlich eingeladen.