

COMPETITIVE GOMPERTZ MODEL OF TWO SPECIES

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Abstract. In this paper, a competitive Gompertz model of two species is proposed. Furthermore, under a certain condition, the existence of monotone traveling wave solutions of this model is shown by the method of super- and subsolutions, which is developed in [6, 15, 16].

Mathematics subject classification (2010): 34C12, 35C07, 35K57, 92D25.

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