TRAVELING WAVEFRONTS OF A DIFFUSIVE HEMATOPOIESIS MODEL WITH TIME DELAY

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Abstract

In this paper, a reaction-diffusion equation with discrete time delay that describes the dynamics of the blood cell production is analyzed. The existence of the traveling wave front solutions are demonstrated using the technique of upper and lower solutions and the associated monotone iteration.

Keywords and phrases: traveling wavefronts, hematopoiesis model, time delay.