
Concatenated traveling waves

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Abstract

We consider concatenated traveling wave solutions of reaction-diffusion systems. These are solutions that look like a sequence of traveling waves with increasing velocity, with the right state of each wave equal to the left state of the next. I will present an approach to the stability theory of such solutions that does not rely on treating them as a sum of traveling waves. It is based instead on exponential dichotomies and Laplace transform.

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