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Wave propagation and tumour growth

WAVE PROPAGATION AND TUMOUR GROWTH.

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Travelling waves (TWs), a particular type of solutions of Reaction-Diffusion systems which move with constant speed, have been widely employed to model various aspects of tumour invasion. In this lecture, I shall deal with some TWs that have been recently used to describe particular types of tumour growth. More precisely, their capability to reproduce some observed morphological features will be addressed, and the relation between their dynamical properties and the underlying biological processes will be discussed.

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