

Mathematical models of plant species interactions in harsh climates

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The mathematical modelling of plant species interactions usually relies on competition models. However it is known that plant interactions may exhibit more complicated patterns and this can be particularly important in harsh environments.

In this talk we discuss a range of possible models for plant species interactions, we indicate how they may be analysed, and we describe suitable simple models of mutualism and commensalism.

¹Joint work with Neville J Ford