

# Global dynamics of a competition model with nonlocal dispersal II: The full system

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## Abstract

In this paper, we study logistic models with non-local dispersal for  $2 \times 2$  competing species. In the weak competition case, the global asymptotic behavior of solutions are completely classified provided one of the following conditions is valid:

- one diffusion rate is small;
- one diffusion rate is large;
- two diffusion rates are close.

This is a continuation of the work [1]. Our results illustrate the effects of non-local dispersals and interspecific competition coefficients in the competition system with spatially heterogeneous environments.

*Keywords:* nonlocal dispersal, global convergent, uniqueness, two-species competition

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## References

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