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Liang Kong* (lkong9@uis.edu), One University Plaza, MS WUIS 13, Mathematical Sciences, UIS, Springfield, IL 62703. *Asymptotic Dynamics of Two Species Competition Systems*. Preliminary report.

In this study, we investigate how the localized spatial variation affects the asymptotic dynamics of two species competition systems. We obtain the existence of spreading speeds and linear determinacy for two species competition systems with nonlocal dispersal in periodic habitats with localized spatial variation. (Received September 15, 2016)