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Saber n. Elaydi* (selaydi@trinity.edu), one Trinity place, san antonio, TX 78212. *Triangular maps and multi-species hierarchical competition models with the Allee effect*. Preliminary report.

A general notion of the Allee effect for higher-dimensional triangular maps is proposed. A global dynamics theory is established. The theory is applied to multi-species hierarchical models. Then we provide a detailed study of the global dynamics of three-species Ricker competition models with the Allee effect. Regions of extinction, exclusion, and coexistence are identified.

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