

1125-51-1397

E Cabral Balreira*, One Trinity Place, Department of Mathematics, San Antonio, TX 78201,
and **Saber Elaydi** and **Rafael Luis**. *Global Dynamics and Geometry of Competitive
Maps*. Preliminary report.

We introduce a new geometric notion of monotonicity that generalizes the standard ideas of planar competition maps. We develop new methods to understand the global dynamics of monotone maps and characterize basin of attraction of fixed points. (Received September 16, 2016)