Heather A Van Dyke\* (hvandyke@smcm.edu), St. Mary's College of Maryland, 18952 E Fisher Road, Schaefer Hall, St. Mary's City, MD 20686-3001, and Kevin R Vixie and Thomas J Asaki. Monotonicity in Higher Dimensions.

In search of a meaningful 2-dimensional analog to monotonicity, we introduce two new definitions and give examples of and dis- cuss the relationship between these definitions and others that we found in the literature. (Received September 17, 2013)