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Hal L Smith* (halsmith@asu.edu), Department of Mathematics & Statistics, Tempe, AZ 85287.
Global Stability for Mixed Monotone Systems.

We show that the method of embedding mixed monotone systems into higher dimensional monotone ones leads immediately to many of the global stability results in some of the recent literature. It also allows extension of some results on global stability for higher order difference equations due to Gerry Ladas and collaborators. Further, we provide a new result which suggests that embedding into monotone systems may not be necessary for global stability results. (Received September 17, 2007)