

Resubmission Report for “Polynomial approximation of one parameter families of (un)stable manifolds with rigorous computer assisted error bounds”

J.D. Mireles James *

September 12, 2014

While it is customary to thank the referee for carefully proof reading the manuscript I would like extend a special and heartfelt thanks in this case. Unfortunately when I prepare a single author manuscript I find (to my great embarrassment) that the hard work of my co-authors is strongly missed. I greatly appreciate the patience and care of the referee in reading this paper. Clearly this effort was badly needed. I am in your debt and you have my thanks.

I have made all the changes suggested by the referee. The only comment that I have is that in definitions 4.1 and 4.2 the quantities ν, τ, ρ , etc, are defined in assumptions A1 - A3 (for maps of flows depending on the case). So they should not be redefined in the definitions. They are recalled at the beginning of the section but I agree with the referee that the definition should stand by itself. So now I have recalled the assumptions in the statement of the definition. Similarly for the theorem that follows. I think this makes the definitions and theorems more readable.

*Florida Atlantic University, Department of Mathematical Sciences, Science Building Room 234, 777 Glades Road, Boca Raton, Florida, USA. jmirelesjames@fau.edu .