A. Bonifant\* (bonifant@math.uri.edu), Mathematics Department, University of Rhode Island, Kingston, RI 02881, X. Buff (xavier.buff@math.univ-toulouse.fr), U.F.R-M.I.G, Laboratoire Emile Picard, 31062 Toulouse, France, and J. W. Milnor (jack@math.sunysb.edu), Stony Brook University, Stony Brook, NY. Antipode Preserving Cubic Rational Maps and Herman rings. Preliminary report.

In this talk I will discuss a family of cubic rational maps which carry antipodal points of the Riemann sphere to antipodal points, with emphasis on the abundance of Herman rings. (Received September 25, 2012)