EXPLORING INFINITE TYPE POINTS OF REAL HYPERSURFACES IN COMPLEX MANIFOLDS

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Probably one of the most difficult and intriguing open problems in the theory of mapping of real hypersurfaces in complex space (CR-mappings) is their behavior at infinite type points. In this talk, I will outline recent advances on the latter problem, achieved by a newly discovered duality between real hypersurfaces with singularities and Dynamical Systems.