



Henry H. Glover (April 10, 1935 – May 31, 2011): Some remarks on his research in mathematics

Henry Glover obtained his Ph.D. in Mathematics in 1967 from the University of Michigan. The topic of his dissertation was *On Embedding and Immersing Manifolds in Euclidean Space*. After a short period as an Assistant Professor at the University of Minnesota, he joined the faculty of Mathematics at the Ohio-State University, where he worked for the rest of his professional career. Thanks to his outgoing personality, he had from the beginning a diverse group of collaborators, which led him to tackle problems in *Fixed Point Theory* and questions on *Graphs*. When during the early 1970's localization techniques in topology were developed, he made immediate use of the new tool to obtain interesting results on vector fields on manifolds. At the same time, he advanced his work on graph theory, culminating in a classification of the irreducible graphs for the projective plane. After about 1980, he began a productive collaboration on questions in geometric group theory, dealing with group cohomology involving the mapping class group as well as the automorphism group of a free group. His deep understanding of the geometry of *Teichmüller Space* and *Outer Space* where crucial at this point. Toward the end of his life he got again more involved in graph theory, with a new group of collaborators, investigating Hamiltonian cycles in Cayley graphs.



Henry Glover made substantial contributions to a wide field of mathematical topics. The many people who had the opportunity to collaborate with him will not forget his generosity and the pleasure of discussing with him mathematical ideas, politics and the philosophy of life in general. His love of art, symmetries of patterns and architecture were part of his complex personality, and that, along with his tremendous sense of loyalty, made him a great and fascinating friend.

Thank you Henry!

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