

Meeting: 1005, Newark, Delaware, SS 12A, Special Session on Geometric Analysis

1005-14-82 **Gregory James Pearlstein***, Fuld Hall, Institute for Advanced Study, Einstein Drive,
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U.N.C. – C.N.E.A, Bariloche, Rio Negro, Argentina. *Variations of Hodge structure and Frobenius
manifolds.*

We analyze the relation between deformations of Frobenius modules and certain maximally degenerate variations of Hodge structures. Finally, under a certain generation hypothesis, we show how to construct a Frobenius manifold starting from a deformation of a Frobenius module. (Received January 30, 2005)