DIFFERENTIAL GEOMETRY/PDE SEMINAR

Monday, May 3
Thomson 325
4:00 pm

Deforming real hypersurfaces by the trace of the Levi form

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The lecture describes joint work with W.Klingenberg concerning the deformation of real hypersurfaces of a Kähler manifold in direction of their real unit normal with speed determined by the trace of the Levi form. This evolution equation is a subparabolic system, for which short time existence and a number of qualitative properties will be demonstrated.