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Abstracts of Short Communications and Posters

Section:

5. Differential Geometry and Global Analysis

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Grassmann Geometry of 6-dimensional sphere

In this talk, we shall give the examples of submanifolds which are invariant under the G_2 invariant almost Hermitian structure of S^6. First we shall give the classication of the Grassmann subbundles of such submanifolds. Next we shall discuss the existence and obstructions of such submanifolds of S^6.