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**Totally geodesic submanifolds in 3-  
plane real Grassmannians**

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**Fakultätssaal, Raum 8.122, Pfaffenwaldring 57**

Abstract: The investigation of totally geodesic submanifolds in symmetric spaces has been a relevant and significant topic of research in submanifold geometry in the last decades. In this talk, I will make a summary of some of the most important advances in the study of totally geodesic submanifolds in symmetric spaces and I will present a classification of totally geodesic submanifolds in 3-plane real Grassmannians.

This is an ongoing joint work with A. Kollross.

