

Slant submanifolds in semi-Riemannian manifolds

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Slant submanifolds were defined by B.-Y. Chen as a natural generalization of both complex and totally real submanifolds of an almost Hermitian manifold. In this talk, we will review the definitions of slant submanifolds in different ambient spaces, with special attention to the non-Riemannian ones. We will offer their main properties and examples, as well as some recently obtained new results.