Canal Spacelike submanifolds of codimension two in Minkowski space

Masaki Kasedo

Hokkaido University

Abstract

This is the joint work with Syuichi Izumiya. In this talk we describe the differential geometry of spacelike submanifolds in Lorentz-Minkowski space from the viewpoint of singularity theory. We construct a canal spacelike submanifold with respect to a timelike parallel normal field, and argue singularity of its lightcone Gauss map.