

Title: Isometric immersions of the Hyperbolic Plane into the Hyperbolic Space

Speaker: Honda Atsufumi (Tokyo Tech)

Abstract: Many problems on isometric immersions between space forms of negative curvature are still left. In this talk, we shall introduce a representation formula for isometric immersions of the hyperbolic plane into the hyperbolic space in terms of null curves in the space of oriented geodesics in the hyperbolic space. Furthermore, we shall explain our approach and some results for the classification problem of such isometric immersions.