



Pierre Bayard

Entire spacelike hypersurfaces of constant Gauss curvature.

TIME:

19 Dec 2006, 17:00 - 19:00

LOCATION:

Freie Universität Berlin - Fachbereich Mathematik und Informatik
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In this work with Oliver Schnuerer we prove the existence of entire spacelike hypersurfaces of constant Gauss curvature and with prescribed Gauss map image in Minkowski space. We study the logarithmic Gauss curvature flow with given Gauss map image, and prove that these solutions converge to solutions of the equation of constant curvature. Thus the entire spacelike hypersurfaces of constant Gauss curvature that we constructed are dynamically stable.

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