HALF-SPACE ANISOTROPIC BERNSTEIN PROBLEM

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Time: Wed, Jan. 3th, 10:00-11:00

Venue: Room 102, SCMS

Abstract: Bernstein problem concerns whether an anisotropic minimal graph is a hyperplane. In the entire graphical case, the answer is affirmative if and only if the dimension is low.

In this talk, we will discuss anisotropic minimal graphs that are defined only on a half-space, or more generally on a convex domain. Given linear boundary data, we show that graph function must be linear. In contrast to the entire graph case, our result has no dimension restriction. Joint work with Wenkui Du, Connor Mooney and Yang Yang.