

Low regularity for almost minimal sets and potential existence results

Guy David

Abstract

We shall discuss J. Taylor's regularity result for two-dimensional almost minimal sets in 3-space and how a proof may yield some existence results too. Here the almost minimal sets are the ones defined by Almgren, that best describe soap films and bubbles, and J. Taylor's theorem says that they are locally C^1 -equivalent to one of three standard minimal cones.