THE ZERO SET OF A NON-CONSTANT HARMONIC FUNCTION IN $\mathbb{R}^3$ HAS INFINITE SURFACE AREA

ALEXANDER LOGUNOV

Nadirashvili conjectured that for any non-constant harmonic function in $\mathbb{R}^3$ its zero set has infinite surface area. This question was motivated by the Yau conjecture on zero sets of Laplace eigenfunctions. We will give a sketch of the proof of Nadirashvili's conjecture.