Lothar Collatz Seminar
Summer Semester 2020

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Parametric and non-parametric minimal surfaces with thin double-obstacles

Abstract:

When dealing with thin obstacles in either setting two major difficulties arise. While De Giorgi solved them in the parametric setting almost 50 years ago with the more general double-obstacle constraint and thin parts allowed, the non-parametric problem was tackled only 16 years later dealing with only one such obstacle.

After a brief introduction in both settings I will explain the mentioned difficulties and their possible solutions. Then I will present my approach to the non-parametric minimal surface problem with thin double-obstacles.

For further information please contact

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www.c3s.uni-hamburg.de/news-events/seminar-c3s.html