



# Nina Uraltseva

## Two-Phase Parabolic Obstacle Problem: Regularity Properties of the Free Boundary

**ZEIT:**

7.2.2012, 17:15 Uhr

**ORT:**

Freie Universität Berlin  
Arnimallee 6 (Pi-Gebäude)  
Raum 031

In this talk we describe the methods, developed in the last decade, for studying the regularity of the free boundary in the vicinity of branch points. These methods are based on the use of various monotonicity formulas, blow-up technique and some observations of geometric nature.

**Kontakt:**

Humboldt-Universität zu Berlin . Institut für Mathematik  
SFB 647 . Unter den Linden 6 . 10099 Berlin  
Tel. +49 30 2093 1804 . Fax. +49 30 2093 2727  
sfb647@math.hu-berlin.de

[www.raumzeitmaterie.de](http://www.raumzeitmaterie.de)