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Saarbrücken, den 27. Mai 2008

Vortragsankündigung

Im Rahmen des Oberseminars Angewandte Analysis hält

Frau Prof. Dr. **Nina Uraltseva**,
St. Petersburg State University
am Mittwoch, den 28.05.2008
14 Uhr **s.t.**, HS II, Gebäude E 25

einen Vortrag über das Thema:

Maximum principle and related topics

Abstract:

The maximum principle is one of the strongest tool in the theory of the second order elliptic and parabolic equations. It is close related with such properties of classical solutions as the Harnack inequality, the strong maximum principle, the Liouville theorem and the Hopf lemma. All these properties hold true for weak solutions of equations with bounded measurable coefficients. In the talk we shall discuss the weakest conditions on the lower order terms coefficients which provide the validity of these properties.