

第09回

- 講演者： **Giuseppe Di Fazio** 氏(カターニア大学)
 - 題目 Strong (A_∞) weights and quasilinear degenerate elliptic equations
 - 日時：平成26年9月10日（水）10:30 – 11:30

Strong (A_∞) weights are introduced and degenerate elliptic equations with respect to strong weights are then studied. We prove Harnack inequality and local regularity results for weak solutions of a quasilinear degenerate equation in divergence form under natural growth conditions. The degeneracy is given by a suitable power of a strong (A_∞) weight. Regularity results are achieved under minimal assumptions on the coefficients. Then we point two applications. First we prove $(C^{1,\alpha})$ local estimates for solutions of a degenerate equation in non divergence form. As a second application we prove a unique continuation property for positive weak solutions of degenerate elliptic equations.



.lg-outer.lg-pull-caption-up.lg-thumb-open .lg-sub-html {bottom:80px;}

8 images

[<6>]

From:

<https://wiki.ma.noda.tus.ac.jp/rs/> - (旧)理工学部 数学科

Permanent link:

<https://wiki.ma.noda.tus.ac.jp/rs/seminar/2014/009>

Last update: **2017/11/16 18:24**

