

# Singular phenomena in nonlinear elliptic equations

*Interviene*

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*Abstract:* We review some recent results on the following topics:

- (i) blow-up boundary solutions for the logistic equation;
- (ii) Lane-Emden equations with singular nonlinearity.

We study the combined effects of the nonlinear terms, variable potentials, gradient terms, and real parameters.

We are mainly interested in existence and non-existence results, as well as in the asymptotic study of solutions or in various perturbation effects.

## Seminario

**Martedì 19 giugno 2012**

**Aula 9 , ore 15**

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