

# Blow-up for differential inequalities with singularities on unbounded sets

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Using an appropriate modification of the nonlinear capacity method [1], we establish sufficient conditions for blow-up of solutions to different types of nonlinear partial differential equations and inequalities such that their coefficients have singularities on unbounded sets.

This is a joint work with Olga Salieva.

## *References*

- [1] *E. Mitidieri, S. Pohozaev*: A priori estimates and nonexistence of solutions for nonlinear partial differential equations and inequalities. Proceedings of the Steklov Institute *234* (2001), 1–383.