

RECENT RESULTS ABOUT THE MAXIMUM PRINCIPLE ON UNBOUNDED DOMAINS

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I will give an overview of some results concerning the validity of sign propagation property

$$u \leq 0 \quad \text{on } \partial\Omega, \quad F(x, u, Du, D^2u) \geq 0 \text{ in } \Omega \text{ implies } u \leq 0 \text{ in } \Omega$$

in an unbounded domain Ω satisfying either measure-type or geometric conditions related to the directions of ellipticity of the (possibly) degenerate fully nonlinear mapping F .