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Sub-super Solutions and the Existence of Extremal Solutions in Noncoercive Variational Inequalities

Authors: [Vy Khoi Le,](#)

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Abstract: The paper is concerned with the solvability of variational inequalities that contain second-order quasilinear elliptic operators and convex functionals. Appropriate concepts of sub- and supersolutions (for inequalities) are introduced and existence of solutions and extremal solutions are discussed.



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