

## Descent method for nonsmooth variational inequalities

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### Abstract

A descent method with a gap function is proposed for a finite-dimensional variational inequality with nonintegrable and nonsmooth mapping. The convergence of the method with line search is established under strong monotonicity conditions on the underlying mapping. © MAIK "Nauka/Interperiodica" (Russia), 2006.

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### Keywords

Descent method with gap function, Nonsmooth mapping, Variational inequality