论文

APPROXIMATE SUBDIFFERENTIALS AND NONSMOOTH ANALYSIS FINITE DIMENSIONS

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摘要　　Ioffe's approximate subdifferentials are reviewed and some of his results are generalized. An extension of the calculus of the approximate subdifferentials for the sums to any finite number of functions is provided along with a generalization of the Dubovitzkii-Milyutin theorem. The presentation also indicates some of the limitations of nonsmooth analysis and optimization. Restriction to the class of function which is suitable for most of the purposes in nonsmooth optimization is suggested.

关键词　　Approximate subdifferentials,Dini subdif

分类号

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Key words　 Approximate subdifferentials　 Dini subdifferential　 Clarke generalized gradient　 contingent cone　 Clarke

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通讯作者

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