

Methods for solving linear inequality systems

Abstract. The problem of finding a feasible solution to a linear inequality system arises in numerous contexts. We consider solving linear semi-infinite inequality systems via an extension of the relaxation methods for finite linear inequality systems. The difficulties are discussed and convergence results are derived under fairly general assumptions on a large class of linear semi-infinite inequality systems.

Maxim Ivanov Todorov

UDLAP, Puebla, MX & IMI-BAS, Sofía, BG

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