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Title : On the Solutions of the Positive Semi-Definite Complementarity Problem.

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Corporate Author : CALIFORNIA UNIV BERKELEY OPERATIONS RESEARCH CENTER

Personal Author(s) : Adler,Ilan ; Gale,David

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Abstract : A short direct proof is given of the fact that if a semi-definite complementarity problem is feasible then it is solvable. It is also shown that the set of all complementary solutions of such a problem is a face of the polyhedron of all feasible solutions and an effective procedure for finding all such solutions is given. (Author)

Descriptors : *LINEAR PROGRAMMING, *QUADRATIC PROGRAMMING, *POLYGONS, *CONVEX SETS, MATRICES(MATHEMATICS), VECTOR ANALYSIS.

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