

PSEUDOMONOTONICITY AND RELATED PROPERTIES IN EUCLIDEAN JORDAN ALGEBRAS*

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Abstract. In this paper, we extend the concept of pseudomonotonicity from R^n to the setting of Euclidean Jordan algebras. We study interconnections between pseudomonotonicity, monotonicity, and the Z-property.

Key words. Euclidean Jordan algebra, Pseudomonotone, Positive subdefinite (PSBD), Copositive, Copositive star, Automorphism, Z-property.

AMS subject classifications. 90C33, 17C20, 17C55.

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