

A GEOMETRICAL APPROACH TO THE THEORY OF GENERALIZED INVERSES OF MATRICES

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- **ABSTRACT:** *A geometrical approach, in terms of vectorial subspaces and linear projectors, is used to approach the theory of Moore-Penrose generalized inverses. Main properties are obtained. A generalization of that geometrical interpretation is applied to generalized inverses in general and, particularly, to the minimum square generalized inverses.*
- **KEYWORDS:** *Generalized inverses, Moore-Penrose generalized inverses, reflexive generalized inverses; minimum square generalized inverses.*

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