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Dimension

• dim(s) = # or rectors in a basis or s

Note: dim(R^) = n [standard basis * [e, e, ... e, 3]

• S = U and S, U are subspaces or R^

— dim(s) \leq dim(v)

• col(A) = span or columns or matrix A

— dim(col(A)) = rank(A)

* The statements are equivalent:

• A non is invertible

• rank(A) = n er Orm(col(A)) = fdin 2 row(A)) = n

• All the common are linearly halfpendent

— polity, Cz, Go 200 = R^

• row(A) = span or rows or matrix A in REF

— dim(row(A)) = rank(A)

— orw(A) = col(A^T)
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