Three Fundamental Subspace	
Falle for NulA & ColA (A's	man mitrio)
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· Nul A is a subspace of R"	· Col A'y enteface of is
· Nul A is defined implicitly	e col A is defined explicitly.
· It takes time to find vectors in	o It is easy to find victors in G/A
Nul A (have to solve on eq ")	
· There is no obvious relation the	There is a direct relation obles col A
Nul A Lentres of A	1 entres of A
· For I in NulA, AV=0	tracking is v=xA, Ald no rot of
· Given a specific vector v, we can	easily test whether it is in
easily test whether it is in	easily text whether it is in
PWA.	Colff
· Nul A = {0} if A=0 has	· GAA=R if Az=Is has a
only the trivial solution	o Got A = R of Az = Ir has a solution for every Ir in Rm