

ABBREVIATIONS USED IN LECTURE

This an attempt to catalog common abbreviations that I'll use in lecture. Surely there will be unintentional omissions. If you find something indecipherable in your notes that's not on this list, don't hesitate to email to ask about it!

Abbreviation/symbol	Meaning
\forall	for all
#	number
\exists	there exists
$\exists!$	there exists a unique
adj	adjoint
aug	augmented
b/c	because
CEF	column echelon form
char	characteristic
coeff	coefficient
cof	cofactor
col	column
comb	combination
cor	corollary
ctn	contain
def	definition
det	determinant
diag	diagonal
diagble	diagonalizable
dim	dimension
ECO	elementary column operation
eg	example
elem	elementary
elim	elimination
elt	element
eqn	equation
equiv	equivalent
ERO	elementary row operation
espace	eigenspace
eval	eigenvalue
evect	eigenvector
ex	exercise
expn	expansion
gen	general
homog	homogenous
inv	inverse
invble	invertible

IOW	in other words
lem	lemma
lin	linear
lin dep	linearly dependent
lin indep	linearly independent
mat	matrix
mult	multiple <i>or</i> multiply <i>or</i> multiplicity
nl	normal
OTOH	on the other hand
param	parameter
poly	polynomial
prod	product
prop	proposition
pvs	previous
RCEF	reduced column echelon form
REF	row echelon form
rk	rank <i>or</i> remark
RREF	reduced row echelon form
sbsp	subspace
similar	similar
soln	solution
sq	square
s.t.	such that
sth	something
symm	symmetric
syst	system
TFAE	the following are equivalent
thm	theorem
triv	trivial
vect	vector
vs	vector space
w/	with
WOLOG	without loss of generality