

Chapter 1

linear equation	[P2]	线性方程
coefficient	[P2]	系数
constant term	[讲义-P1]	常数（项）
systems of linear equations (linear system)	[P3]	线性方程组
solution	[P3]	解
solution set	[P3]	解集
tuple	[P3]	数组
equivalent	[P3]	等价
equivalent system	[P3]	等价系统，等价方程组
consistent	[P4]	相容
inconsistent	[P4]	不相容
consistent linear system		相容（有解）的线性方程组
inconsistent linear system		不相容（无解）的线性方程组
coefficient matrix	[P5]	系数矩阵
augmented matrix	[P5]	增广矩阵
elementary operations	[P7]	初等变换
elementary row operation	[P7]	初等行变换
row equivalent	[P7]	行等价（矩阵）
equivalent matrix	[讲义-P3]	等价矩阵
Leading entry	[P14]	先导元素
entry of matrix		矩阵的元素
echelon form (row echelon form)	[P14]	阶梯形
reduced echelon form (reduced row echelon form)	[P14]	简化阶梯形
Gaussian elimination	[P14]脚注	高斯消元法
the elimination of variables		消元法
row reduced	[P15]	行化简
pivot position	[P16]	主元位置
pivot column	[P16]	主元列
pivot	[P17]	主元
forward phase	[P20]	自上（向下）阶段
backward phase	[P20]	自下（向上）阶段
basic variable	[P20]	基本变元
free variable	[P20]	自由变元
general solution	[P21]	一般解，通解
back-substitution	[P22]	回代法，侧转代入
vector	[P28]	向量， 矢量
scalar	[P28]	数量， 纯量， 无向量
parallelogram rule	[P30]	平行四边形法则
linear combination	[P32]	线性组合
generated (spanned)	[P35]	生成(张成)

product	[P45]	乘积
homogeneous systems	[P50]	齐次系统, 齐次线性方程组
trivial solution	[P50]	平凡解, 零解
nontrivial solution	[P51]	非平凡解, 非零解
parametric vector form	[P52]	参数向量形式
nonhomogeneous systems	[P50]	非齐次线性方程组
linear independent	[p65]	线性相关
linearly independent	[P65]	线性无关
linear transformation	[P73]	线性变换
domain	[P73]	值域
shear transformation	[P76]	剪切变换
contraction	[P77]	压缩变换
dilation	[P77]	拉伸变换