origin 原点

number line 数轴

independent variable

exogenous variable

dependent variable

endogenous variable

monomial

polynomial

degree of the polynomial

coefficient

rational function

exponential function

trigonometric function

logarithmatic function

base a logarithm loga(x)

natural logarithm

increasing function

decreasing funciton

local or relative minimum or maximum

global or absolute minimum or masimum

domain of a function

positive or negetive

real or complex number

integer

float number

interval

(half) open or closed interval

infinite intervals

linear functions

the slope of the line

steepness

x-coordinate or y-coordinate

... is similar to ...

parallel

x-intercept or y-intercept

straight line

generic point

locus

marginal cost

marginal income of utility

marginal product of labor

tangent line

deravative of f at x0

differentiable

continuous functions

continuously differentiable function, **C1**

twice continuously differentiable function, **C2**

infinitely differentiable, **C∞**

continuity or break

Cartesian plain

original function

maximizer or minimizer

is well approximated by or is close in value to **≈**

linear algebra

n-tuple

Gaussion elimination

Gauss-Jordan elimination

Coefficient matrix of sth.

Augmented matrix

Elementary row operations

Elementary column operations

Echelon form

Identity matrix

Zero matrix

Reduced row echelon form

Pivot

Rank

Homogenous

Right-hand side RHS

Singular or nonsingular

Transpose of a matrix

Square matrix

Diagonal matrix

Upper-triangular matrix

lower-triangular matrix

symmetric matrix

idempotent matrix AA=A

permutation matrix

elementary matrices Eij, Eij(r), Ei(r)

invertible

inverse

right inverse

left inverse

LU decomposition

Cofactor

Cofactor of a determinent

Adjoint

Euclidean space or Euclidian space

Scalar multiplication

Distributive laws

Inner product or dot product or scalar product

Acute

Obtuse

Right

Parametric representation

Barycentric coordinate 质心坐标

Normal vector 法向量

Point-normal equation 点法式方程

Hyperplane 超平面

Finitely many solutions

Infinitely many solutions

Generated or spanned

Linear combination

Linearly independent

Spanning set 生成集

Basis

Canonical basis of Rn

Accumulation point or cluster point of …

Convergent sequence

Convergence

Convergency