

Symbols

The following is a list of symbols that may be used during this course.

\mathbb{N} represents the set of natural numbers

\mathbb{Z} represents the set of integers

\mathbb{Q} represents the set of rational numbers

\mathbb{R} represents the set of real numbers

\mathbb{C} represents the set of complex numbers

\emptyset represents the empty set

\in means is an element of

\subseteq means is a subset of

\subset means is a proper subset of

\cap represents intersection

\cup represents union

$:$ means such that

iff means if and only if

dom represents domain

ran represents range

\log_b represents logarithm base b

\ln represents natural logarithm

Σ represents a summation

Π represents a product

$!$ represents factorial

$\binom{n}{r}$ represents n choose r

det represents determinant