

MATHEMATICAL NOTATIONS

The following is by no means a complete list of all the symbols used in the dissertation, but is rather a listing of certain symbols which occur frequently.

TABLE	
SYMBOL	EXPLANATION
\in	membership sign
\cup	union
\cap	intersection
\Rightarrow	implies
\Leftrightarrow	if and only if (iff)
\neq	not equal to
\leq	less than or equal to
\geq	greater than or equal to
\prod	product
Σ	summation
:	residual
\equiv	congruence
\vee	join
\wedge	meet

The references are listed alphabetically. In this dissertation these have been referred to by putting within square brackets, the serial number of the reference.

Definitions, Lemmas, Theorems and Corollaries in every chapter are numbered consecutively and sectionwise.

The symbol ■ represents the end of the proof.

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