Table of Notations and Symbols

$=$	equals
$\equiv$	is defined as
$\Rightarrow$	implies
$\Leftrightarrow$	is equivalent to
$\exists$	there exists
$\forall$	for all
$\in$	is an element of
$\cup$	union
$\cap$	intersect
$\subset$	subset (proper subset)
$\subseteq$	subset
$+$	vector addition
$\oplus$	vector addition
$\oplus$	direct sum
$\odot$	scalar multiplication
$\cdot$	innerproduct
$\parallel u \parallel$	norm of u
Σ	sum
$\Sigma_{i=0}^{n} u_i$	$u_1 + u_2 + \ldots u_n$
$d(u, v)$	distance between u and v