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NUMERICAL METHODS I – BASIS AND FUNDAMENTALS

SOME MATHEMATICAL SYMBOLS

$\forall$	*for all*
$\exists$	*exist(s)*
$\setminus$	*except, excluding*
$\mid$	*with property*,
$\wedge$	*and* (binary logical operator)
$\vee$	*or* (binary logical operator)
$\{\}$	*set* of elements
$\in$	*is element* of a set
$\notin$	*is not element* of a set
$\subset$	*subset* of a set
$\subseteq$	*subset or equal* to a set,
$\cup$	*union* of two (or more) sets
$\cap$	*common elements* of two (or more) sets
Σ	*sum*

Events

$\overline{A}$	complementary event of the event A
$\oplus$	sum of events (creates compound event)
$\otimes$	product of events (creates sub-event contained in both events)
$\times$	product of subsequent events (product of the second kind)
$\setminus$	difference of events (excludes sub-events)
$\subseteq$	inclusion of events
$A \mid B$	event A occurs given that B has occurred