

List of notations and abbreviations

Some notations and abbreviations that are used in this thesis.

$AcpI$	Acceptability index
$BipG$	Bipartite graph
$CacG$	Cactus graph
$CcoG$	Cocomparability graph
$CorG$	Chordal graph
$CirG$	Circular-arc graph
$CirD$	Circular-arc diagram
$ComG$	Comparability graph
$EdwT$	Edge weighted tree
$IntG$	Intersection graph
$InvG$	Interval graph
$InvNum$	Interval number
IR	Interval representation
IT	Interval tree
$Inv1C$	Inverse 1-center
IOP	Inverse optimization problem
$ISPP$	Inverse shortest path problem
$MchD$	Matching diagram
$me(B)$	mean(B)
$MADST$	Minimum average distance spanning tree
$MADT$	Minimum average distance tree
$MdsT$	Minimum diameter spanning tree
$MRCST$	Minimum routing cost spanning tree
$PatG$	Path graph
$PerG$	Permutation graph
$PerD$	Permutation diagram
m	The number of edges of a graph
n	The number of nodes of a graph
R	The set of real numbers

$T - complexity$	Time complexity
$TraD$	Trapezoid diagram
$TraG$	Trapezoid graph
$TolG$	Tolerance graph
$UndG$	Undirected graph
$w - tree$	Weighted tree
$wd(B)$	width(B)

