List of abbreviations

The following abbreviations have been used in the thesis.

Interval graph	InvG
Circular-arc graph	CirG
labelling problem	LP
2-stable set	2SS
2-stable subset	2SSS
maximal 2-stable set	M2SS
maximal 2-stable subset	M2SSS
Fuzzy set	FS
Fuzzy graph	FG
membership value	MV
m-polar fuzzy graph	mPFG
Underlying crisp graph	UCG
m-polar fuzzy set	mPFS
Membership value	MV
Interval-valued fuzzy graph	IVFG
Interval-valued m-polar fuzzy graph	IVmPFG
Competition graph	CG
Open neighbourhood	open nbd
Closed neighbourhood	closed nbd
Underlying crisp graph	UCG
Fuzzy color	FC
Chromatic index	CI
Fuzzy edge coloring	FEC