

# SimSubareas - Quick Reference

Version 5.0.2



## Usage

### SimSubareas [-flag] [control\_file]

Optional Flags:

- Q[uiet] = execute without screen messages
- H[elp] = show program syntax and control keys
- C[ontrol] = create/update a default control file
- K[eyCheck] = list unrecognized control file keys
- P[ause] = pause before exiting
- N[oPause] = never pause before exiting
- D[etail] = execute with detailed status messages
- X[ML] = write an XML file with control keys

## Purpose

### Configuration Keys

REQ? KEY	TYPE	DEFAULT	VALUE RANGES
TITLE	Text		
REPORT_FILE	File		filename[_partition][.prn]
REPORT_FLAG	Bool	FALSE	TRUE/FALSE, YES/NO, 1/0, T/F, Y/N
PROJECT_DIRECTORY	Path		
MODEL_START_TIME	Time	0:00	>= 0 [seconds], 0.0 [hours], 0:00
MODEL_END_TIME	Time	24:00	> [model_start_time]
UNITS_OF_MEASURE	Text	METRIC	METRIC, ENGLISH
RANDOM_NUMBER_SEED	Int.	0	0 = computer clock, > 0 = fixed
MAX_WARNING_MESSAGES	Int.	100000	>= 0
MAX_WARNING_EXIT_FLAG	Bool	TRUE	TRUE/FALSE, YES/NO, 1/0, T/F, Y/N
MAX_PROBLEM_COUNT	Int.	0	>= 0
NUMBER_OF_THREADS	Int.	1	1..24

### System File Keys

REQ? KEY	TYPE	DEFAULT	VALUE RANGES
<input checked="" type="checkbox"/> NODE_FILE	File		[project_directory]filename
<input checked="" type="checkbox"/> NEW_NODE_FILE	File		[project_directory]filename

### File Service Keys

REQ? KEY	TYPE	DEFAULT	VALUE RANGES
NOTES_AND_NAME_FIELDS	Bool	FALSE	TRUE/FALSE, YES/NO, 1/0, T/F, Y/N

### Control Keys

REQ? KEY	TYPE	DEFAULT	VALUE RANGES
<input checked="" type="checkbox"/> NUMBER_OF_SUBAREAS	Int.	8	1..1000
PARTITIONS_PER_SUBAREA	Int.	1	1..1000
CENTER_NODE_NUMBER	Int.	0	>=0
SUBAREA_BOUNDARY_FILE	File		[project_directory]filename

### Notes

Each '\_FILE' key has a corresponding '\_FORMAT' key. The following file formats can be used for input and output files.  
 TEXT, BINARY, FIXED\_COLUMN, COMMA\_DELIMITED, SPACE\_DELIMITED, TAB\_DELIMITED, CSV\_DELIMITED, DBASE, SQLITE3, VERSION3