SymmetricComparisonMagma

September 15, 2018

Group : Sym(6)

Searching up to index : 1000

How many normal groups are found : 3

Total Time (in s) in GAP: 0.9

Total Time (in s) in MAGMA: 0.3

Function	Count_GAP	Count_MAGMA	Time_GAP	Time_MAGMA
LowIndexNormal	1	1	0.9	0.3
FindPQuotients	2	2	0.8	0.1
FindTQuotients	1	1	0.0	0.2
FindIntersections	1	1	0.0	0.0
AddGroup	4	2	0.0	0.0
MustCheckP	263	5	0.0	0.0
FindPModules	263	6	0.8	0.1
SMTX_BasesMaximalSubmodules	1	1	0.0	0.0
PullBackH	1	-1	0.0	-1.0

Group : Sym(7)

Searching up to index : 1000

How many normal groups are found : 2

Total Time (in s) in GAP: 0.8

Total Time (in s) in MAGMA: 0.3

Function	Count_GAP	Count_MAGMA	Time_GAP	Time_MAGMA
LowIndexNormal	1	1	0.8	0.3
FindPQuotients	2	2	0.8	0.1
FindTQuotients	1	1	0.0	0.2

FindIntersections	1	1	0.0	0.0
AddGroup	1	1	0.0	0.0
MustCheckP	263	6	0.0	0.0
FindPModules	263	6	0.8	0.1
SMTX_BasesMaximalSubmodules	1	1	0.0	0.0
PullBackH	1	-1	0.0	-1.0

Group : Sym(8)

Searching up to index : 1000

How many normal groups are found : 2

Total Time (in s) in GAP: 0.8

Total Time (in s) in MAGMA: 0.7

Function	Count_GAP	Count_MAGMA	Time_GAP	Time_MAGMA
LowIndexNormal	1	1	0.8	0.7
FindPQuotients	2	2	0.7	0.1
FindTQuotients	1	1	0.1	0.6
FindIntersections	1	1	0.0	0.0
AddGroup	1	1	0.0	0.0
MustCheckP	263	4	0.0	0.0
FindPModules	263	5	0.7	0.1
SMTX_BasesMaximalSubmodules	1	1	0.0	0.0
PullBackH	1	-1	0.0	-1.0

Group : Sym(9)

Searching up to index : 1000

How many normal groups are found : 2

Total Time (in s) in GAP: 1.2

Total Time (in s) in MAGMA: 0.7

Function	Count_GAP	Count_MAGMA	Time_GAP	Time_MAGMA
LowIndexNormal	1	1	1.2	0.7
FindPQuotients	2	2	0.7	0.1
FindTQuotients	1	1	0.4	0.6
FindIntersections	1	1	0.0	0.0

AddGroup	1	1	0.0	0.0
MustCheckP	263	4	0.0	0.0
FindPModules	263	4	0.7	0.1
SMTX_BasesMaximalSubmodules	1	1	0.0	0.0
PullBackH	1	-1	0.0	-1.0