

SymmetricExtendedProfile

September 14, 2018

Group : Sym(6)

Searching up to index : 1000

How many normal groups are found : 3

Total Time (in s) in GAP: 0.9

Function	Count	AbsT/s	ChildT/s	AbsS/gb	ChildS/gb
PreImage	10	0.0	0.0	0.0	0.0
NaturalHomomorphismBySubspace	1	0.0	0.0	0.0	0.0
GModuleByMats	4	0.0	0.0	0.0	0.0
PullBackH	1	0.0	0.0	0.0	0.0
ExponentSum	15	0.0	0.0	0.0	0.0
IsPowerOf	95	0.0	0.0	0.0	0.0
FindIntersections	1	0.0	0.0	0.0	0.0
PreImagesRepresentative	10	0.0	0.0	0.0	0.0
Intersection	42	0.0	0.0	0.0	0.0
MustCheckP	263	0.0	0.0	0.0	0.0
MinSubgroupSizes	263	0.0	0.0	0.0	0.0
GeneratorsOfMagmaWithInverses	4028	0.0	0.0	0.0	0.0
Index	791	0.0	0.0	0.0	0.0
NextPrimeInt	263	0.0	0.0	0.0	0.0
Kernel	1	0.0	0.0	0.0	0.0
SMTX_BasesMaximalSubmodules	1	0.0	0.0	0.0	0.0
Image	1106	0.0	0.0	0.0	0.0
Core	7	0.0	0.0	0.0	0.0
LowIndexSubgroupsFpGroup	2	0.0	0.0	0.0	0.0
GroupHomomorphismByImagesNC	270	0.0	0.0	0.0	0.0
IsomorphismFpGroup	274	0.0	0.0	0.0	0.0

FindTQuotients	1	0.0	0.0	0.0	0.0
IsSubgroupFp	3	0.0	0.0	0.0	0.0
AddGroup	4	0.0	0.0	0.0	0.0
EpimorphismQuotientSystem	263	0.1	0.0	0.0	0.0
PQuotient	526	0.7	0.0	0.0	0.0
FindPModules	263	0.8	0.8	0.1	0.1
FindPQuotients	2	0.8	0.8	0.1	0.1
LowIndexNormal	1	0.9	0.9	0.1	0.1

Group : Sym(7)

Searching up to index : 1000

How many normal groups are found : 2

Total Time (in s) in GAP: 0.8

Function	Count	AbsT/s	ChildT/s	AbsS/gb	ChildS/gb
Intersection	22	0.0	0.0	0.0	0.0
PullBackH	1	0.0	0.0	0.0	0.0
PreImagesRepresentative	12	0.0	0.0	0.0	0.0
PreImage	6	0.0	0.0	0.0	0.0
GeneratorsOfMagmaWithInverses	3712	0.0	0.0	0.0	0.0
ExponentSum	18	0.0	0.0	0.0	0.0
AddGroup	1	0.0	0.0	0.0	0.0
FindIntersections	1	0.0	0.0	0.0	0.0
SMTX_BasesMaximalSubmodules	1	0.0	0.0	0.0	0.0
IsSubgroupFp	0	0.0	0.0	0.0	0.0
GModuleByMats	4	0.0	0.0	0.0	0.0
NextPrimeInt	263	0.0	0.0	0.0	0.0
Kernel	1	0.0	0.0	0.0	0.0
NaturalHomomorphismBySubspace	1	0.0	0.0	0.0	0.0
MinSubgroupSizes	263	0.0	0.0	0.0	0.0
IsPowerOf	95	0.0	0.0	0.0	0.0
Image	1106	0.0	0.0	0.0	0.0
MustCheckP	263	0.0	0.0	0.0	0.0
Index	759	0.0	0.0	0.0	0.0
IsomorphismFpGroup	266	0.0	0.0	0.0	0.0
Core	3	0.0	0.0	0.0	0.0

GroupHomomorphismByImagesNC	266	0.0	0.0	0.0	0.0
LowIndexSubgroupsFpGroup	2	0.0	0.0	0.0	0.0
FindTQuotients	1	0.0	0.0	0.0	0.0
EpimorphismQuotientSystem	263	0.1	0.0	0.0	0.0
PQuotient	526	0.6	0.0	0.0	0.0
FindPModules	263	0.8	0.8	0.1	0.1
FindPQuotients	2	0.8	0.8	0.1	0.1
LowIndexNormal	1	0.8	0.8	0.1	0.1

Group : Sym(8)

Searching up to index : 1000

How many normal groups are found : 2

Total Time (in s) in GAP: 0.8

Function	Count	AbsT/s	ChildT/s	AbsS/gb	ChildS/gb
IsSubgroupFp	0	0.0	0.0	0.0	0.0
PullBackH	1	0.0	0.0	0.0	0.0
PreImage	6	0.0	0.0	0.0	0.0
ExponentSum	21	0.0	0.0	0.0	0.0
MinSubgroupSizes	263	0.0	0.0	0.0	0.0
NaturalHomomorphismBySubspace	1	0.0	0.0	0.0	0.0
NextPrimeInt	263	0.0	0.0	0.0	0.0
GModuleByMats	4	0.0	0.0	0.0	0.0
AddGroup	1	0.0	0.0	0.0	0.0
FindIntersections	1	0.0	0.0	0.0	0.0
Kernel	1	0.0	0.0	0.0	0.0
PreImagesRepresentative	14	0.0	0.0	0.0	0.0
IsPowerOf	95	0.0	0.0	0.0	0.0
Index	760	0.0	0.0	0.0	0.0
Intersection	26	0.0	0.0	0.0	0.0
SMTX_BasesMaximalSubmodules	1	0.0	0.0	0.0	0.0
Core	3	0.0	0.0	0.0	0.0
Image	1114	0.0	0.0	0.0	0.0
MustCheckP	263	0.0	0.0	0.0	0.0
IsomorphismFpGroup	266	0.0	0.0	0.0	0.0
GeneratorsOfMagmaWithInverses	3783	0.0	0.0	0.0	0.0

GroupHomomorphismByImagesNC	266	0.0	0.0	0.0	0.0
LowIndexSubgroupsFpGroup	2	0.1	0.0	0.0	0.0
FindTQuotients	1	0.1	0.1	0.0	0.0
EpimorphismQuotientSystem	263	0.1	0.0	0.0	0.0
PQuotient	526	0.6	0.0	0.0	0.0
FindPModules	263	0.7	0.7	0.1	0.1
FindPQuotients	2	0.7	0.7	0.1	0.1
LowIndexNormal	1	0.8	0.8	0.1	0.1

Group : Sym(9)

Searching up to index : 1000

How many normal groups are found : 2

Total Time (in s) in GAP: 1.2

Function	Count	AbsT/s	ChildT/s	AbsS/gb	ChildS/gb
Intersection	30	0.0	0.0	0.0	0.0
PullBackH	1	0.0	0.0	0.0	0.0
PreImagesRepresentative	16	0.0	0.0	0.0	0.0
PreImage	6	0.0	0.0	0.0	0.0
ExponentSum	24	0.0	0.0	0.0	0.0
IsPowerOf	95	0.0	0.0	0.0	0.0
AddGroup	1	0.0	0.0	0.0	0.0
FindIntersections	1	0.0	0.0	0.0	0.0
NaturalHomomorphismBySubspace	1	0.0	0.0	0.0	0.0
NextPrimeInt	263	0.0	0.0	0.0	0.0
SMTX_BasesMaximalSubmodules	1	0.0	0.0	0.0	0.0
IsSubgroupFp	0	0.0	0.0	0.0	0.0
Kernel	1	0.0	0.0	0.0	0.0
GModuleByMats	4	0.0	0.0	0.0	0.0
MustCheckP	263	0.0	0.0	0.0	0.0
Image	1122	0.0	0.0	0.0	0.0
MinSubgroupSizes	263	0.0	0.0	0.0	0.0
Core	3	0.0	0.0	0.0	0.0
IsomorphismFpGroup	266	0.0	0.0	0.0	0.0
Index	762	0.0	0.0	0.0	0.0
GeneratorsOfMagmaWithInverses	3869	0.0	0.0	0.0	0.0

GroupHomomorphismByImagesNC	266	0.0	0.0	0.0	0.0
EpimorphismQuotientSystem	263	0.1	0.0	0.0	0.0
LowIndexSubgroupsFpGroup	2	0.4	0.0	0.3	0.0
FindTQuotients	1	0.4	0.4	0.3	0.3
PQuotient	526	0.6	0.0	0.0	0.0
FindPModules	263	0.7	0.7	0.1	0.1
FindPQuotients	2	0.7	0.7	0.1	0.1
LowIndexNormal	1	1.2	1.2	0.4	0.4