

FreeProductsBaseProfile

July 16, 2018

Group : $C_2 * C_3$

Searching up to index : 2500

How many normal groups are found : 527

Total Time in s : 489.4

Total Magma-Time in s : 402.63

Count	AbsT/s	ChildT/s	AbsS/mb	ChildS/mb	Function
526	7.6	7.3	4146473.1	4118197.6	FindIntersections
1	13.0	13.0	3585311.4	3585308.7	FindTQuotients
1059	289.6	88.2	244671000.4	72281750.6	AddGroup
527	468.7	464.7	332516964.9	331835131.2	FindPQuotients
1	489.4	489.4	340248749.7	340248749.5	LowIndexNormal

Group : $C_2 * C_{12}$

Searching up to index : 150

How many normal groups are found : 355

Total Time in s : 52.3

Total Magma-Time in s : 270.79

Count	AbsT/s	ChildT/s	AbsS/mb	ChildS/mb	Function
1	0.0	0.0	8504.3	8503.9	FindTQuotients
354	3.4	3.3	1137205.5	1113606.6	FindIntersections
748	35.4	15.8	13708348.3	6211737.2	AddGroup
355	48.8	48.0	17276571.6	17194754.6	FindPQuotients
1	52.3	52.3	18422281.7	18422281.5	LowIndexNormal

Group : $C_2 * C_4$

Searching up to index : 500

How many normal groups are found : 688

Total Time in s : 230.8

Total Magma-Time in s : 470.73

Count	AbsT/s	ChildT/s	AbsS/mb	ChildS/mb	Function
1	0.2	0.2	43149.2	43148.0	FindTQuotients
687	8.5	7.9	3439052.5	3348217.9	FindIntersections
1522	133.7	46.7	78267843.4	29501746.3	AddGroup
688	222.0	219.7	114979735.8	114702852.0	FindPQuotients
1	230.8	230.8	118461937.7	118461937.6	LowIndexNormal

Group : $C_2 * C_5$

Searching up to index : 2000

How many normal groups are found : 205

Total Time in s : 509.3

Total Magma-Time in s : 266.68

Count	AbsT/s	ChildT/s	AbsS/mb	ChildS/mb	Function
204	0.2	0.1	72514.4	69890.7	FindIntersections
1	5.0	5.0	1260428.8	1260426.3	FindTQuotients
369	95.4	42.5	66930834.3	28817328.8	AddGroup
205	504.1	441.6	211439303.6	184674539.2	FindPQuotients
1	509.3	509.3	212772247.0	212772246.9	LowIndexNormal

Group : $C_2 * C_6$

Searching up to index : 500

How many normal groups are found : 862

Total Time in s : 357.0

Total Magma-Time in s : 917.5

Count	AbsT/s	ChildT/s	AbsS/mb	ChildS/mb	Function
1	0.5	0.5	128797.6	128796.0	FindTQuotients
861	16.9	16.1	6736019.7	6607644.9	FindIntersections
1896	241.5	94.4	136912017.4	58949198.8	AddGroup
862	339.4	334.5	174318324.6	172907118.4	FindPQuotients
1	357.0	357.0	181183142.2	181183142.0	LowIndexNormal

Group : $C_2 * C_7$

Searching up to index : 1000

How many normal groups are found : 63

Total Time in s : 19.4

Total Magma-Time in s : 46.2

Count	AbsT/s	ChildT/s	AbsS/mb	ChildS/mb	Function
62	0.0	0.0	5531.7	5320.0	FindIntersections
1	0.4	0.4	116419.0	116418.3	FindTQuotients
83	6.2	2.1	4508563.8	1596117.3	AddGroup
63	18.9	18.0	9666875.1	9297807.9	FindPQuotients
1	19.4	19.4	9788826.0	9788825.9	LowIndexNormal

Group : $C_2 * C_8$

Searching up to index : 500

How many normal groups are found : 1187

Total Time in s : 1104.9

Total Magma-Time in s : 2765.47

Count	AbsT/s	ChildT/s	AbsS/mb	ChildS/mb	Function
1	0.6	0.6	148912.3	148910.5	FindTQuotients
1186	44.7	42.5	19500581.5	19134049.4	FindIntersections
2779	755.2	325.6	390075690.2	180771410.5	AddGroup
1187	1059.5	1040.1	508278176.9	501384876.7	FindPQuotients
1	1104.9	1104.9	527927671.0	527927670.8	LowIndexNormal

Group : $C_2 * C_{10}$

Searching up to index : 500

How many normal groups are found : 469

Total Time in s : 116.9

Total Magma-Time in s : 243.42

Count	AbsT/s	ChildT/s	AbsS/mb	ChildS/mb	Function
1	0.1	0.1	34255.5	34254.8	FindTQuotients
468	2.2	1.9	780806.6	751529.9	FindIntersections
944	50.5	15.8	32259519.6	11052911.2	AddGroup
469	114.5	112.4	56929304.0	56495626.6	FindPQuotients
1	116.9	116.9	57744366.4	57744366.2	LowIndexNormal

Group : $C_2 * C_{11}$

Searching up to index : 1000

How many normal groups are found : 21

Total Time in s : 10.3

Total Magma-Time in s : 58.27

Count	AbsT/s	ChildT/s	AbsS/mb	ChildS/mb	Function
20	0.0	0.0	36.4	17.5	FindIntersections
29	0.8	0.4	642129.7	275834.2	AddGroup
21	3.3	3.3	1585850.6	1580533.9	FindPQuotients
1	6.9	6.9	1564042.2	1564041.7	FindTQuotients
1	10.3	10.3	3149929.5	3149929.4	LowIndexNormal