

# DihedralBasicProfile

September 10, 2018

**Group : Dih(10000)**

Searching up to index : 125

How many normal groups are found : 14

Total Time in s : 182.9

| Function                    | Count | AbsT/s | ChildT/s | AbsS/gb | ChildS/gb |
|-----------------------------|-------|--------|----------|---------|-----------|
| MustCheckP                  | 118   | 0.0    | 0.0      | 0.0     | 0.0       |
| PullBackH                   | 13    | 0.0    | 0.0      | 0.0     | 0.0       |
| FindTQuotients              | 1     | 0.0    | 0.0      | 0.0     | 0.0       |
| SMTX_BasesMaximalSubmodules | 11    | 0.0    | 0.0      | 0.0     | 0.0       |
| FindIntersections           | 11    | 23.0   | 23.0     | 6.8     | 6.8       |
| AddGroup                    | 16    | 137.0  | 137.0    | 41.0    | 41.0      |
| FindPModules                | 99    | 159.8  | 159.8    | 48.0    | 48.0      |
| FindPQuotients              | 12    | 159.8  | 159.8    | 48.0    | 48.0      |
| LowIndexNormal              | 1     | 182.9  | 182.9    | 54.8    | 54.8      |

**Group : Dih(10000)**

Searching up to index : 250

How many normal groups are found : 17

Total Time in s : 240.6

| Function          | Count | AbsT/s | ChildT/s | AbsS/gb | ChildS/gb |
|-------------------|-------|--------|----------|---------|-----------|
| FindIntersections | 13    | 0.0    | 0.0      | 0.0     | 0.0       |
| MustCheckP        | 205   | 0.0    | 0.0      | 0.0     | 0.0       |
| PullBackH         | 20    | 0.0    | 0.0      | 0.0     | 0.0       |

|                             |     |       |       |      |      |
|-----------------------------|-----|-------|-------|------|------|
| FindTQuotients              | 1   | 0.0   | 0.0   | 0.0  | 0.0  |
| SMTX_BasesMaximalSubmodules | 18  | 0.0   | 0.0   | 0.0  | 0.0  |
| AddGroup                    | 21  | 194.4 | 194.4 | 58.2 | 58.2 |
| FindPModules                | 172 | 240.6 | 240.6 | 72.0 | 72.0 |
| FindPQuotients              | 14  | 240.6 | 240.6 | 72.0 | 72.0 |
| LowIndexNormal              | 1   | 240.6 | 240.6 | 72.0 | 72.0 |

**Group : Dih(10000)**

Searching up to index : 500

How many normal groups are found : 19

Total Time in s : 309.0

| Function                    | Count | AbsT/s | ChildT/s | AbsS/gb | ChildS/gb |
|-----------------------------|-------|--------|----------|---------|-----------|
| FindIntersections           | 16    | 0.0    | 0.0      | 0.0     | 0.0       |
| MustCheckP                  | 362   | 0.0    | 0.0      | 0.0     | 0.0       |
| PullBackH                   | 23    | 0.0    | 0.0      | 0.0     | 0.0       |
| SMTX_BasesMaximalSubmodules | 21    | 0.0    | 0.0      | 0.0     | 0.0       |
| FindTQuotients              | 1     | 34.2   | 34.2     | 10.2    | 10.2      |
| FindPModules                | 299   | 274.7  | 274.7    | 82.3    | 82.3      |
| FindPQuotients              | 17    | 274.7  | 274.7    | 82.3    | 82.3      |
| AddGroup                    | 27    | 296.4  | 296.4    | 89.0    | 89.0      |
| LowIndexNormal              | 1     | 309.0  | 309.0    | 92.6    | 92.6      |

**Group : Dih(10000)**

Searching up to index : 1000

How many normal groups are found : 21

Total Time in s : 377.5

| Function                    | Count | AbsT/s | ChildT/s | AbsS/gb | ChildS/gb |
|-----------------------------|-------|--------|----------|---------|-----------|
| MustCheckP                  | 641   | 0.0    | 0.0      | 0.0     | 0.0       |
| FindIntersections           | 18    | 0.0    | 0.0      | 0.0     | 0.0       |
| PullBackH                   | 26    | 0.0    | 0.0      | 0.0     | 0.0       |
| SMTX_BasesMaximalSubmodules | 24    | 0.0    | 0.0      | 0.0     | 0.0       |

|                |     |       |       |       |       |
|----------------|-----|-------|-------|-------|-------|
| FindTQuotients | 1   | 79.6  | 79.6  | 23.9  | 23.9  |
| FindPModules   | 522 | 297.8 | 297.8 | 89.3  | 89.3  |
| FindPQuotients | 19  | 297.9 | 297.9 | 89.3  | 89.3  |
| AddGroup       | 33  | 364.2 | 364.2 | 109.5 | 109.5 |
| LowIndexNormal | 1   | 377.5 | 377.5 | 113.3 | 113.3 |

**Group : Dih(10000)**

Searching up to index : 2000

How many normal groups are found : 23

Total Time in s : 409.6

| Function                    | Count | AbsT/s | ChildT/s | AbsS/gb | ChildS/gb |
|-----------------------------|-------|--------|----------|---------|-----------|
| FindIntersections           | 20    | 0.0    | 0.0      | 0.0     | 0.0       |
| PullBackH                   | 28    | 0.0    | 0.0      | 0.0     | 0.0       |
| MustCheckP                  | 1138  | 0.0    | 0.0      | 0.0     | 0.0       |
| SMTX_BasesMaximalSubmodules | 26    | 0.0    | 0.0      | 0.0     | 0.0       |
| FindTQuotients              | 1     | 81.7   | 81.7     | 23.9    | 23.9      |
| FindPModules                | 916   | 327.8  | 327.7    | 96.3    | 96.3      |
| FindPQuotients              | 21    | 327.8  | 327.8    | 96.3    | 96.3      |
| AddGroup                    | 35    | 393.6  | 393.6    | 116.4   | 116.4     |
| LowIndexNormal              | 1     | 409.6  | 409.6    | 120.3   | 120.3     |

**Group : Dih(10000)**

Searching up to index : 4000

How many normal groups are found : 25

Total Time in s : 462.9

| Function                    | Count | AbsT/s | ChildT/s | AbsS/gb | ChildS/gb |
|-----------------------------|-------|--------|----------|---------|-----------|
| FindIntersections           | 22    | 0.0    | 0.0      | 0.0     | 0.0       |
| PullBackH                   | 30    | 0.0    | 0.0      | 0.0     | 0.0       |
| MustCheckP                  | 2042  | 0.0    | 0.0      | 0.0     | 0.0       |
| SMTX_BasesMaximalSubmodules | 28    | 0.0    | 0.0      | 0.0     | 0.0       |
| FindTQuotients              | 1     | 114.1  | 114.1    | 34.2    | 34.2      |

|                |      |       |       |       |       |
|----------------|------|-------|-------|-------|-------|
| FindPModules   | 1635 | 348.6 | 348.6 | 103.6 | 103.6 |
| FindPQuotients | 23   | 348.7 | 348.7 | 103.6 | 103.6 |
| AddGroup       | 40   | 445.4 | 445.4 | 133.5 | 133.5 |
| LowIndexNormal | 1    | 462.9 | 462.9 | 137.8 | 137.8 |