

```
Last login: Mon Aug 19 16:25:30 on ttys000
maleehakhawaja@ra1720161920080 ~ % cd Dropbox/Magma/Bristol
maleehakhawaja@ra1720161920080 Bristol % ssh smp20mk@magma-somas
Password:
Duo two-factor login for smp20mk
```

Enter a passcode or select one of the following options:

1. Duo Push to +XX XXXX XX0187

Passcode or option (1-1): 1

Success. Logging you in...

Success. Logging you in...

```
*****
*                               The University Of Sheffield.                               *
*                               Unauthorised use of this system is prohibited.             *
*                               Ubuntu 22.04                                             *
*****
```

Last login: Tue Aug 20 10:57:20 2024 from 172.16.192.80

smp20mk@magma-somas:~\$ magma

Magma V2.28-5 Tue Aug 20 2024 11:25:59 on magma-somas [Seed = 414847052]

Type ? for help. Type <Ctrl>-D to quit.

> load 'Martin_clusters_ppr.m';

Loading "Martin_clusters_ppr.m"

> //Fix c, r, p;

> c:=2; r:=7; p:=11;

> //Vary a;

> for a in [3, 5, 15, 13, 22]

for> end for;

>> end for;

^

User error: bad syntax

> for a in [3, 5, 15, 13]

for> do fr:=frplus(a,c,r,p);

for> print a, Conductor(HyperellipticCurve(fr), r);

for> end for;

3 7

5 7

15 7

13 7

> a:=5; c:=2; r:=7; p:=11;

> fr:=frplus(a,c,r,p);

> Conductor(HyperellipticCurve(fr), r);

7

> r:=5;

> for a in [3, 7, 9, 11]

for> do fr:=frplus(a, 2, 5, 7);

for> Conductor(HyperellipticCurve(fr), r);

for> end for;

7

5

5

5

> r:=7;

> a:=4; c:=3, r:=7; p:=11;

>> a:=4; c:=3, r:=7; p:=11;

^

User error: bad syntax

> a:=4; c:=3; r:=7; p:=11;

> fr:=frplus(a, c, r, p);

> Conductor(HyperellipticCurve(fr), r);

7

> a:=11; c:=2; r:=13; p:=11;

> fr:=frplus(a, c, r, p);

> Conductor(HyperellipticCurve(fr), r);

^C^C^C^C^C^C

[Interrupt twice in half a second; exiting]

Total time: 1440.420 seconds, Total memory usage: 134.84MB

smp20mk@magma-somas:~\$