



## How can I get better precision in ChIPS output?

```
chips> 227.49334262014-0.0001363
227.493
```

For greater precision, use the S-Lang `set_float_format` function:

```
chips> 227.49334262014-0.0001363
227.493

chips> set_float_format("%g")
chips> 227.49334262014-0.0001363
227.493

chips> set_float_format("%.6e")
chips> 227.49334262014-0.0001363
2.274932e+02

chips> set_float_format("%.6f")
chips> 227.49334262014-0.0001363
227.493206

chips> set_float_format("%.12f")
chips> 227.49334262014-0.0001363
227.493206320140
```

Note that this will affect other numeric output – such as that produced by `writeascii` and `print` – e.g.

```
chips> set_float_format("%.12f")
chips> print(23.0)
23.000000000000
```

Resetting "`set_float_format("%f")`" (the default) when you are finished may be useful.

For more information on the format specifier (e.g. "`%.12f`"), see "`ahelp sprintf`". There are also external webpages with more detailed information, such as the [Association for Computing Machinery C Library Reference Guide](#).

