```
Command Prompt - ipython -p pylab
Z:\Documents\Data\pi\pi200m\ipython_-p_pylab
Python 2.5.4 TEPD 5.1.0T (r254:67916, Sep 25 2009, 12:11:02) [MSC v.1310 32 bit (Intel)]
Type "copyright", "credits" or "license" for more information.
IPython 0.11.bzr.r1205 -- An enhanced Interactive Python.
              -> Introduction and overview of IPython's features.
%quickref -> Quick reference.
                 Python's own help system.
Details about 'object'. ?object also works, ?? prints more.
help
object?
[IPythonApp] Running code in user namespace:
                                                                                Figure 1
                                                                                                                                                 _ | D| X|
import matplotlib
%gui −a wx
matplotlib.use('wxagg')
matplotlib.interactive(True)
                                                                                               2 digit sequences in 150m digits of pi
from matplotlib import pyplot as plt
from matplotlib.pyplot import *
                                                                                                                                    +1.498e6
                                                                                         0
                                                                                                    02
                                                                                                         03
                                                                                                             04
                                                                                            00
                                                                                                01
                                                                                                                  05
                                                                                                                               08
Out[2]: <wx._core.App; proxy of <Swig Object of type 'wxP
                                                                                                                                            4200
In [7]: run parallelpi.py
2009-11-16 00:13:28-0800 [-] Log opened.
                                                                                                         13
                                                                                                                  15
                                                                                                                      16
                                                                                                                          17
                                                                                                    12
                                                                                                             14
                                                                                                                              18
                                                                                                                                            3600
2009-11-16 00:13:28-0800 [-] Connecting [0]
                                                                                         2
                                                                                                21
                                                                                                    22
                                                                                                                 25
                                                                                            20
                                                                                                         23
                                                                                                             24
                                                                                                                      26
                                                                                                                          27
                                                                                                                               28
2009-11-16 00:13:29-0800 [Negotiation, client] Connected:
er_mycluster\security\ipcontroller-mec.furl
Digits per second (1 core, 10m digits):
Digits per_second (8 cores, 150m digits):
                                                                                                                                            3000
                                                                                                    32
                                                                                                         33
                                                                                                             34
                                                                                                                          37
                                                                                                                                   39
                                                                                                31
                                                                                                                  35
                                                                                                                               38
                                                                                       digit
|Speedup: 7.08529174444
                                                                                            40
                                                                                                     42
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                                                                                                                          47
                                                                                                                               48
                                                                                                             44
                                                                                                                  45
                                                                                                                      46
                                                                                                                                   49
                                                                                                                                            2400
In [8]:
                                                                                                                          57
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                                                                                                                 55
                                                                                                                      56
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                                                                                            50
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                                                                                                                                            1200
                                                                                                         73
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                                                                                                                          77
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                                                                                         8
                                                                                                                          87
                                                                                            80
                                                                                                81
                                                                                                     82
                                                                                                         83
                                                                                                                      86
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                                                                                                                                            600
                                                                                                     92
                                                                                                             94
                                                                                                                          97
                                                                                            90
                                                                                                                               98
                                                                                                                                   99
                                                                                                            Second digit
                                                                                                   (2)
```