Python and Scienti c Computing Notes

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One of Python's most useful features is its interactive interpreter. This system allows

Dynamic object inp14 ection. You can access docstrings, function de nition proobject in p14 e

in a text editor. You can also save all your history by turning on logging via `%logstart`; these logs can later be either reloaded as IPython sessions or used as code for your programs.

5.2.4. Running code. The `%run` magic command allows you to run any python script

The Python pro ler. When dealing with performance issues, the %run command with a -p option allows you to run complete programs under the control of the Python pro ler. The %prun command does a similar job

You can run single statements (similar to profile.run()) or complete programs under the pro ler's control. While this is p7 (cHle)Tj 32.6134 0 Td (with)Tj 23.6276 0 Td (the)Tj 18.1083 0 Td (standard)Tj /

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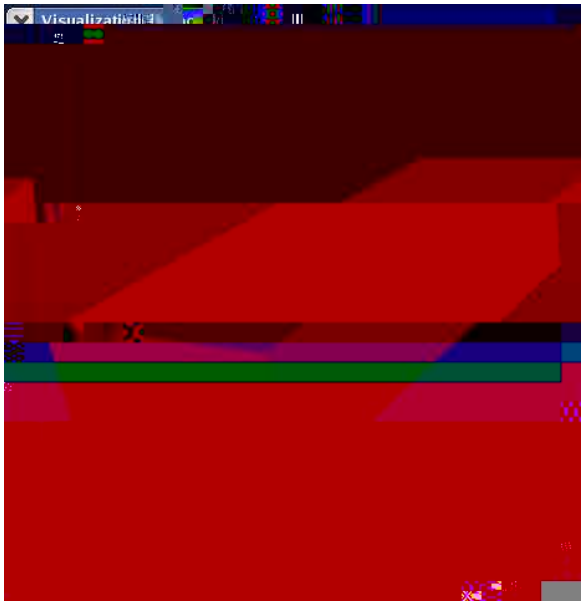

FIGURE 7. . . **A Cube, brought to you by VTK**

```
# Ready, set, go!
iren.Initialize()
                                                    iren.S
```

7.4. WORKING

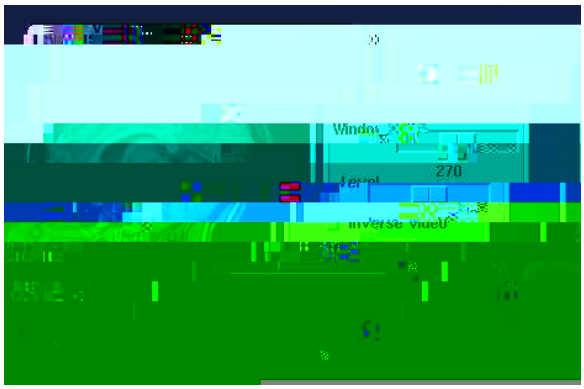

FIGURE 7. . . . **A simple slice**

7.4. WORKING

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