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The Kali Code

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Figures:

Virtual Plotting

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0.1  xxx

We thank xxx, xxx, and xxx for their comments on the manuscript.

Piet Hut and Jun Makino
Chapter 1

VPL interface specification

Version 0.00

P. Hut and J. Makino
24 Nov 2005

1.1 Overview

Currentl version of VPL defines a way to plot a two-dimentional array.

1.2 Class definition

1.2.1 Name

`VirtualPlotter`

1.2.2 Methods

`VirtualPlotter#New(device)`

Create a VirtualPlotter object. The device argument is a text string which specifies the device (and maybe device-dependent arguments such as PS filename as well).

`VirtualPlotter#data(ar)`

`ar` is two dimentional array of floating-point numbers. Returns self.
VirtualPlotter#plot

Plot the data specified by VirtualPlotter#data. In the current specification, aspect ratio of the plot area is 1:1. Coordinates are scaled automatically. Returns self.

1.3 Sample use

```ruby
#!/usr/bin/env ruby
require "vpl"

a = open("sample.dat"){|x| x.gets(nil)}.collect{|x| x.split}
VirtualPlotter.new.data(a).plot
```

Sample data `sample.dat` would look like

```
0 0
1 2
2 4
3 9
4 16
5 25
```

1.4 Todo

More methods.

nil nil nil nil nil nil nil nil