

# PNG::SomethingPlotty

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# I'm a Hater

aka Curmudgeon

(second only to Zed)

- I wrote:
  - Inline because I hate compiling C.
  - ZenTest because I hate your crap code.
  - rubyholic because I hate meetup.com.
  - image\_science because I hate rmagick/  
imagemagick.



**I need plotting/charts.**



**But I can't use gruff.**



**Because, again, I hate  
rmagick.**



I don't much like  
gnuplot.

Not *quite* up to hate...



# PNG

- Mostly pure ruby library to create PNG files.
- Easy canvas-oriented interface.
- Relatively fast thanks to RubyInline.
- Can write and read PNGs making image analysis fairly easy.
- I wrote this mostly because I was bored.



# PNG::Font

- Geoffrey Grossenbach wrote me a pure ruby font for PNG.
- Because he's a nut.
- Also, it is awesome, because fonts are really hard.





**This got me thinking.**



Can I use it to replace  
gnuplot?



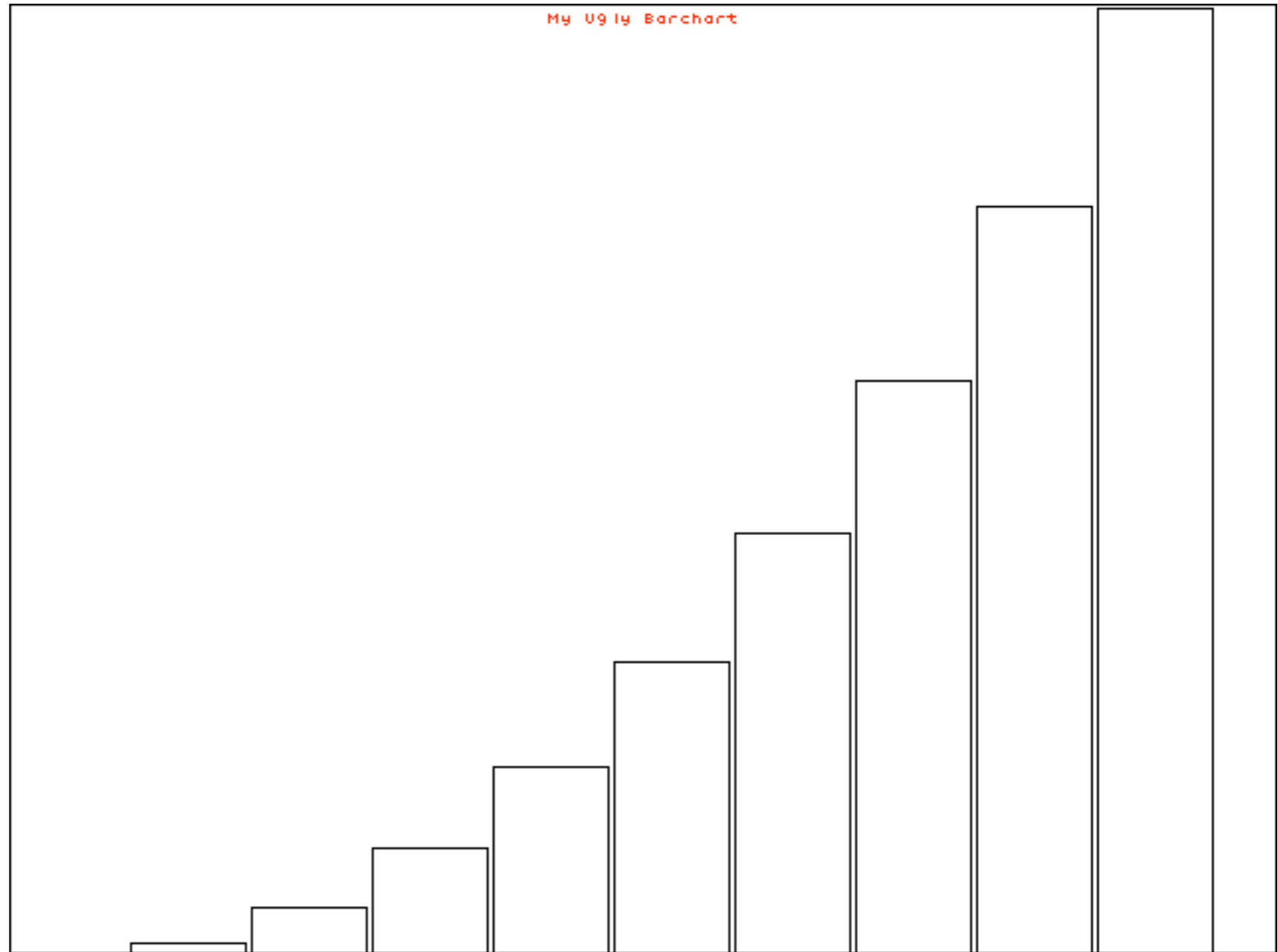
**Answer: yes**

**(but not yet)**



```
g = BarChart.new(640, 480, "My Ugly Barchart")
(0..9).each do |n|
  g.bar(n*n)
end

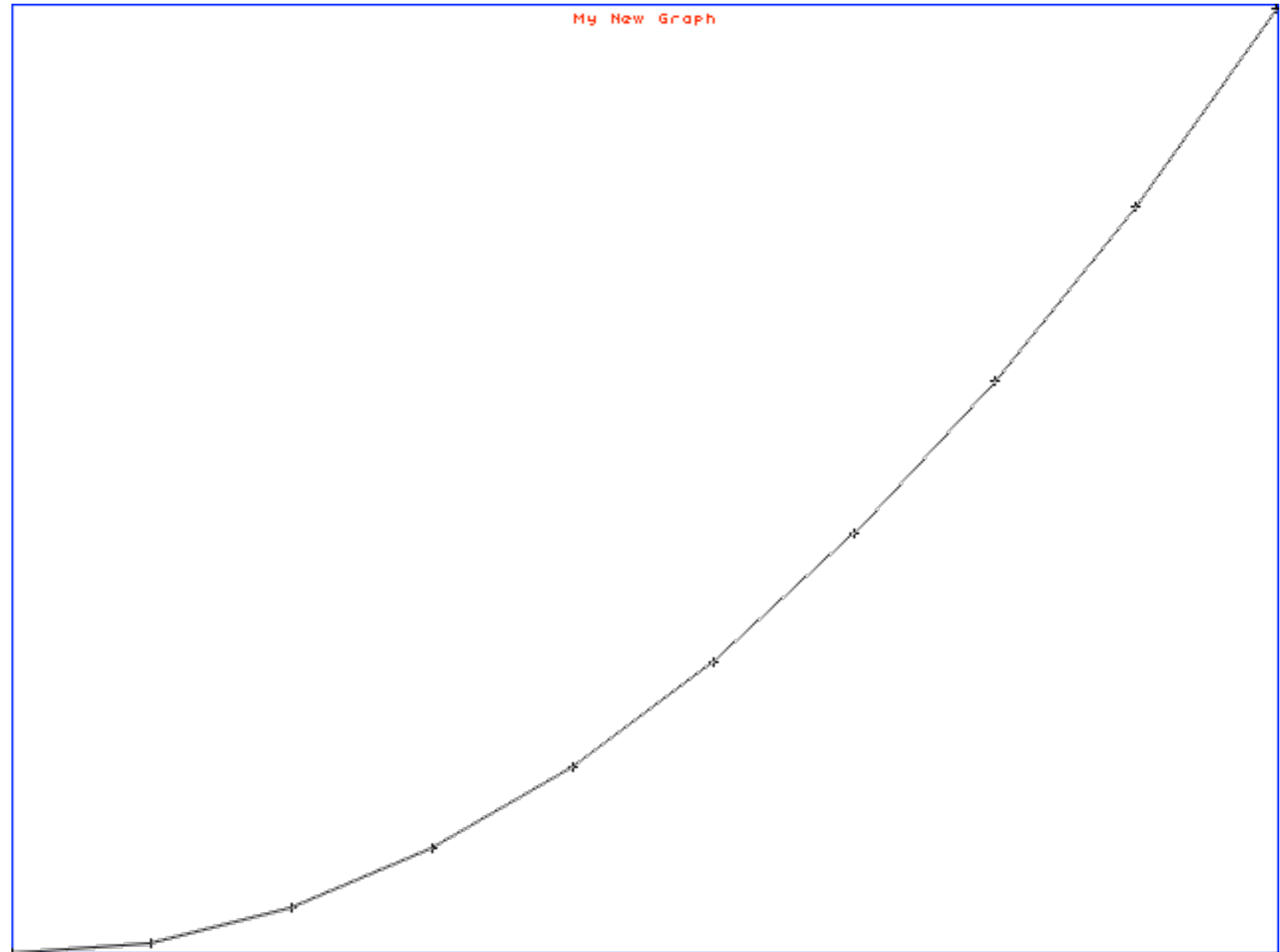
g.save "barchart.png"
```



```
g = LineGraph.new(640, 480, "My New Graph")  
g.border_color = PNG::Color::Blue
```

```
(0..9).each do |n|  
  g[n, n*n] = (n*n).to_s  
end
```

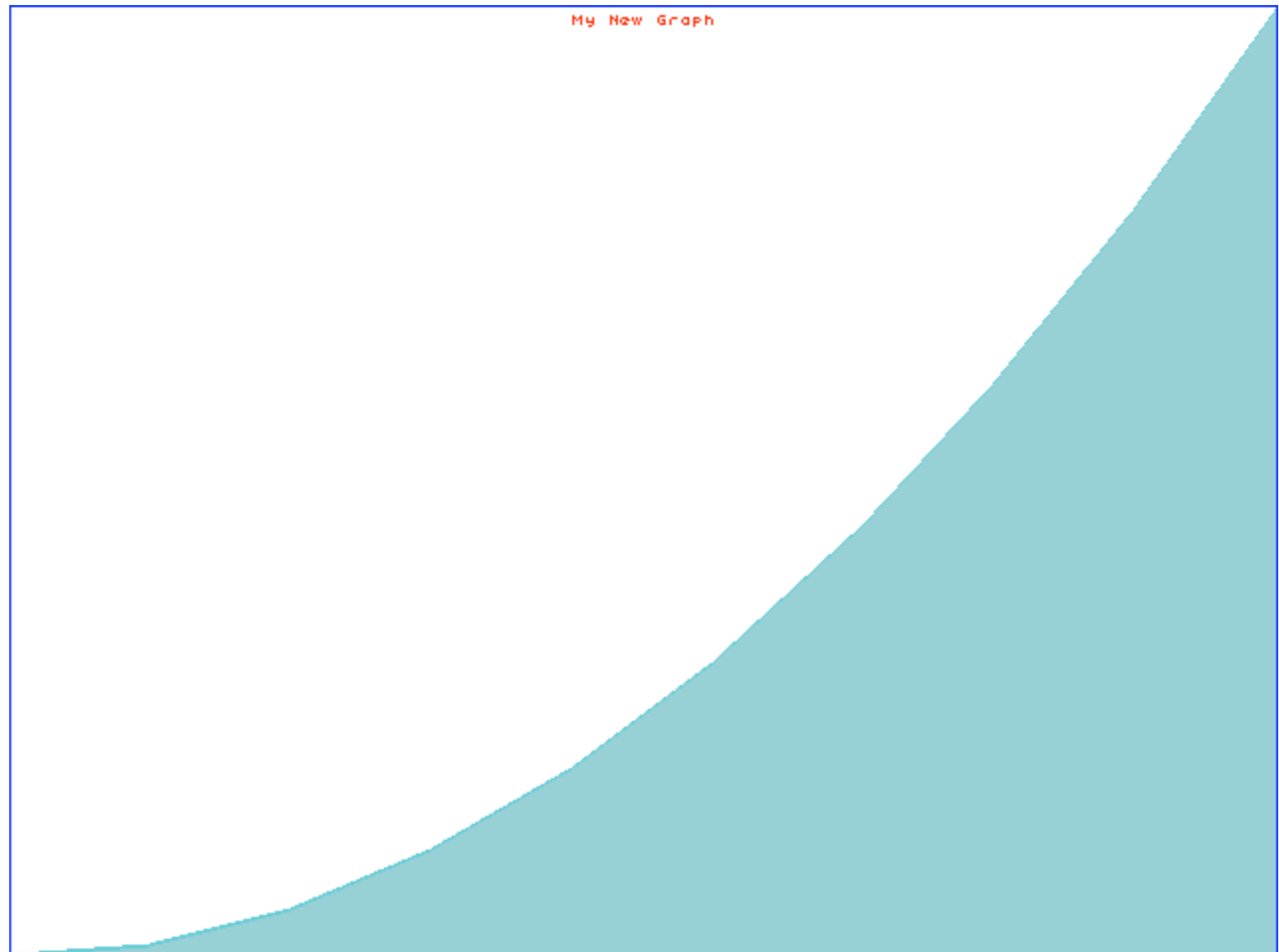
```
g.save "line.png"
```



```
g = KindaPrettyGraph.new(640, 480, "My New Graph")  
g.border_color = PNG::Color::Blue
```

```
(0..9).each do |n|  
  g[n, n*n] = (n*n).to_s  
end
```

```
g.save "pretty.png"
```



**As you can see, it needs  
some help, but it is  
getting there...**



**Thank You**

