
Subject: Re: New free DLL for calling Python from IDL!
Posted by chris_torrence@NOSPAM on Mon, 03 Mar 2014 23:22:34 GMT
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Well, here's another example that might put both me and David out of business. I installed the Anaconda (python 2.7 package), which comes with all of the matplotlib libraries.

This example is taken directly from the matplotlib gallery page:
http://matplotlib.org/examples/pie_and_polar_charts/pie_demo_features.html

Create a pie chart from within IDL:

```
plt = pyimport("matplotlib.pyplot")
sizes = [15,30,45,10]
labels = ['Frogs', 'Hogs', 'Dogs', 'Logs']
colors = ['yellowgreen', 'gold', 'lightskyblue', 'lightcoral']
explode = [0, 0.1, 0, 0]
p = plt.pie(sizes, explode=explode, labels=labels, colors=colors, $
    autopct='%1.1f%%', shadow=1, startangle=90)
void = plt.axis('equal')
void = plt.show(block=0)
void = plt.savefig('plot.pdf')
```

But here's a question for Jason or Ronn: once I've created the "p" object, it says it is a "tuple". Is there any way to get properties back out of the object? I tried the following:

```
IDL> pb = pyimportbuiltins()
IDL> pb.getattr(p,'colors')
% PYTHONOBJECT::GETATTR: AttributeError: 'tuple' object has no attribute 'colors'
```

Cheers,
Chris
ExelisVIS
