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pylab_examples example code: line_styles.py

(Source code, png, hires.png, pdf)

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#!/usr/bin/env python
# This should probably be replaced with a demo that shows all
# line and marker types in a single panel, with labels.

import matplotlib.pyplot as plt
from matplotlib.lines import Line2D
import numpy as np

t = np.arange(0.0, 1.0, 0.1)
s = np.sin(2*np.pi*t)
```

```
linestyles = ['_', '-', '--', ':']
markers = []
for m in Line2D.markers:
     try:
         if len(m) == 1 and m != ' ':
             markers.append(m)
     except TypeError:
         pass
styles = markers + [
    r'$\lambda$',
    r'$\bowtie$',
    r'$\circlearrowleft$',
     r'$\clubsuit$',
     r'$\checkmark$']
colors = ('b', 'g', 'r', 'c', 'm', 'y', 'k')
plt.figure(figsize=(8,8))
axisNum = 0
for row in range(6):
     for col in range(5):
         axisNum += 1
         ax = plt.subplot(6, 5, axisNum)
         color = colors[axisNum % len(colors)]
         if axisNum < len(linestyles):</pre>
             plt.plot(t, s, linestyles[axisNum], color=color, markersize=10)
         else:
             style = styles[(axisNum - len(linestyles)) % len(styles)]
             plt.plot(t, s, linestyle='None', marker=style, color=color, markersize=10)
         ax.set_yticklabels([])
         ax.set_xticklabels([])
plt.show()
Keywords: python, matplotlib, pylab, example, codex (see <u>Search</u>
examples)
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