

pyhog_example

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In [1]: %matplotlib inline

In [2]: import pyhog
import numpy as np
import matplotlib.pyplot as pl
from scipy.misc import imread, imrotate

In [3]: # just a random VOC2012 image
img = (imread('2007_006449.jpg').astype(np.float64)/255.0)
pl.imshow(img)
pl.axis('off')

Out[3]: (-0.5, 499.5, 374.5, -0.5)
```



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In [4]: hog = pyhog.features_pedro(img, 30)
hog.shape
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Out[4]: (11, 15, 31)
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In [5]: hog_pic = pyhog.hog_picture(hog)
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In [6]: plt.gray()  
        plt.imshow(hog_pic, vmin=0.0, vmax=3.0) # clip a bit for visibility  
        plt.axis('off')
```

```
Out[6]: (-0.5, 299.5, 219.5, -0.5)
```

