A4

November 23, 2019

[ ]:

[1]:
```
%pylab
```

```
Using matplotlib backend: agg
Populating the interactive namespace from numpy and matplotlib
```

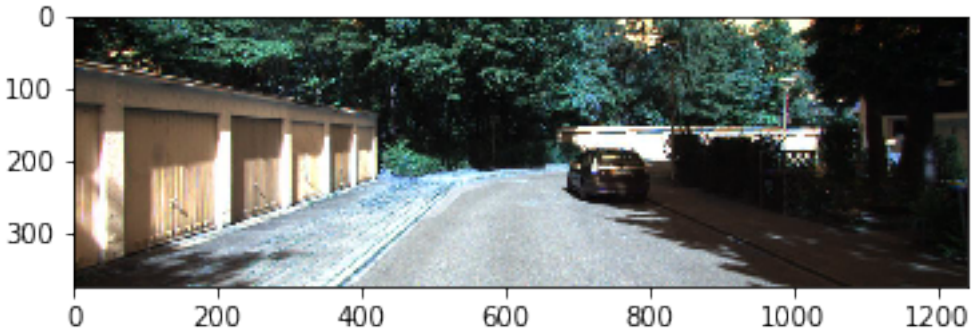
[2]:
```
import cv2
```

[6]:
```
left = cv2.imread("A4_files/000020_left.jpg")
right = cv2.imread("A4_files/000020_right.jpg")
with open("A4_files/000020.txt") as file:
    bb = [float(i) for i in file.read().split()[1:]]
with open("A4_files/000020_allcalib.txt") as file:
    f, px, py, baseline = file.read().split()[1::2]
print(bb, f, px, py, baseline)
```

```
[685.05, 181.43, 804.68, 258.21] 721.537700 609.559300 172.854000 0.5327119288
```

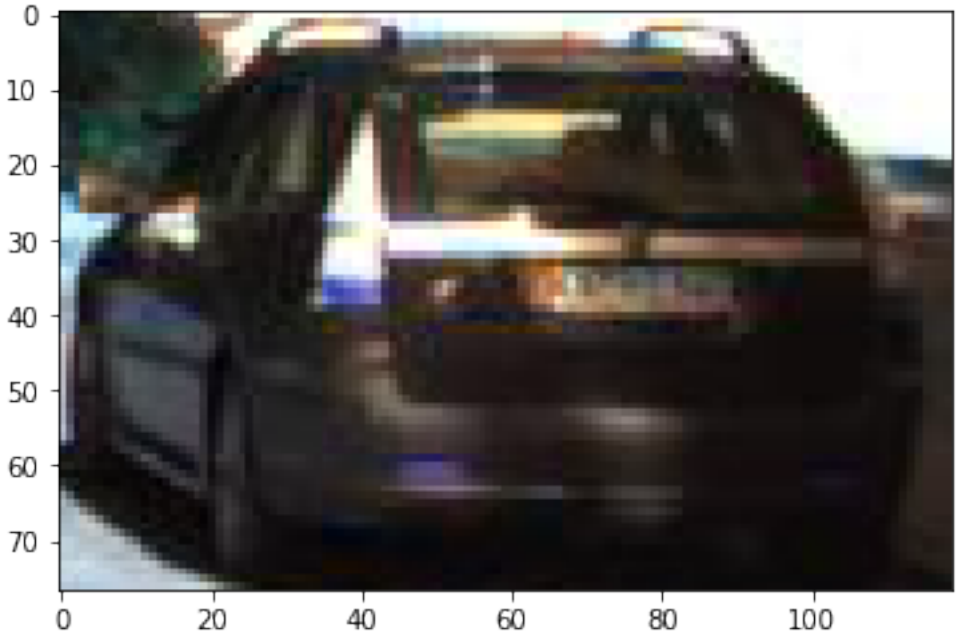
[4]:
```
imshow(left)
```

[4]:
```
<matplotlib.image.AxesImage at 0x7f55df2db950>
```



[13]:
```
imshow(left[int(bb[1]):int(bb[3]), int(bb[0]):int(bb[2])])
```

[13]: <matplotlib.image.AxesImage at 0x7f55dca1dfd0>



[11]:

[11]: (375, 1242, 3)