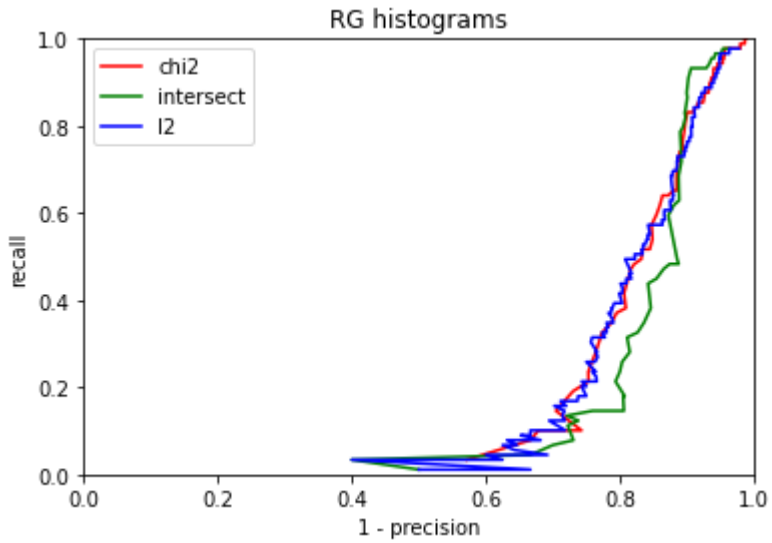
Question 4: Performance Evaluation

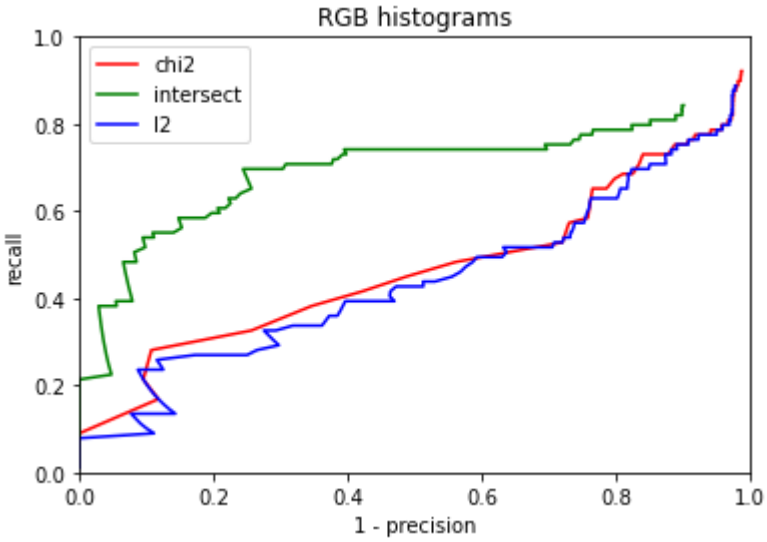
In [1]:
```
import matplotlib.pyplot as plt
import numpy as np
from PIL import Image
import sys
sys.path.insert(0, './code/identification-Q234')
import rpc_module
from importlib import reload
rpc_module = reload(rpc_module)
```

In [2]:
```
with open('model.txt') as fp:
    model_images = fp.readlines()
model_images = [x.strip() for x in model_images]

with open('query.txt') as fp:
    query_images = fp.readlines()
query_images = [x.strip() for x in query_images]

eval_num_bins = 20;
```

In [3]:
```
plt.figure()
rpc_module.compare_dist_rpc(model_images, query_images, ['chi2', 'intersect',
                                ['r', 'g', 'b'])
plt.title('RG histograms')
plt.show()
```

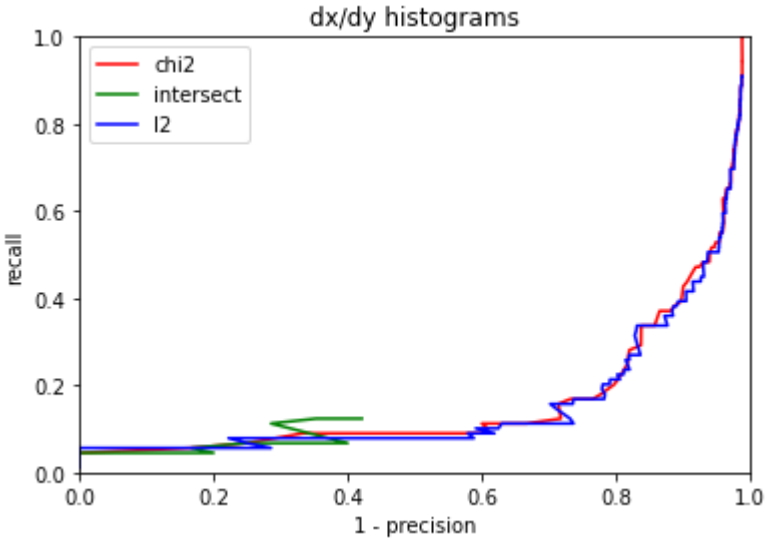


In [5]:
```
plt.figure()
rpc_module.compare_dist_rpc(model_images, query_images, ['chi2', 'intersect',
                                ['r', 'g', 'b'])
plt.title('RGB histograms')
plt.show()
```



In [6]:

```
plt.figure()
rpc_module.compare_dist_rpc(model_images, query_images, ['chi2', 'intersect',
                                ['r', 'g', 'b'])
plt.title('dx/dy histograms')
plt.show()
```



In [ ]: