Coupler

November 10, 2024

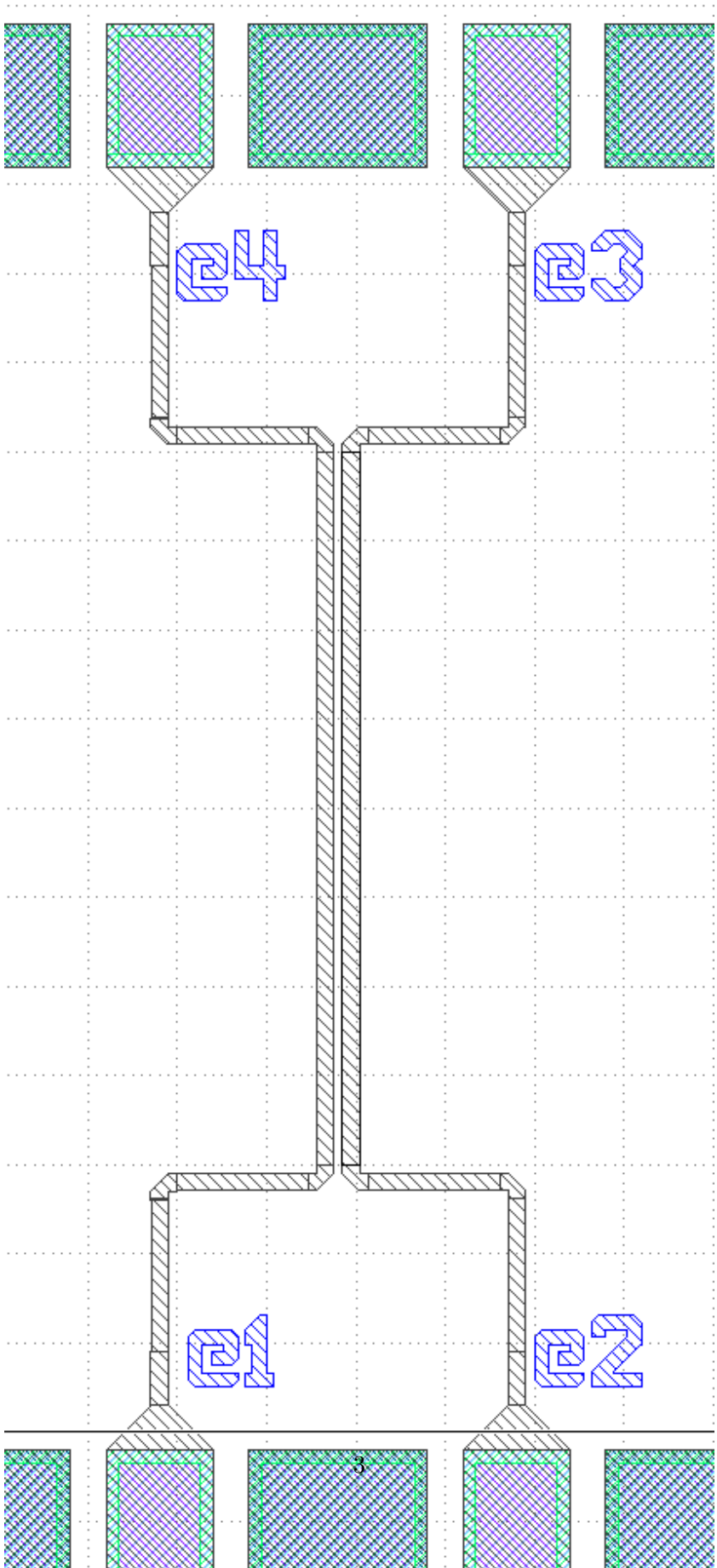
[1]:
```
import skrf
import numpy as np
from matplotlib import pyplot as plt
%matplotlib inline

import warnings
import glob

warnings.filterwarnings("ignore", category=RuntimeWarning)

plt.rcParams["figure.figsize"] = [12,10]
```

1 Coupler Port Labels

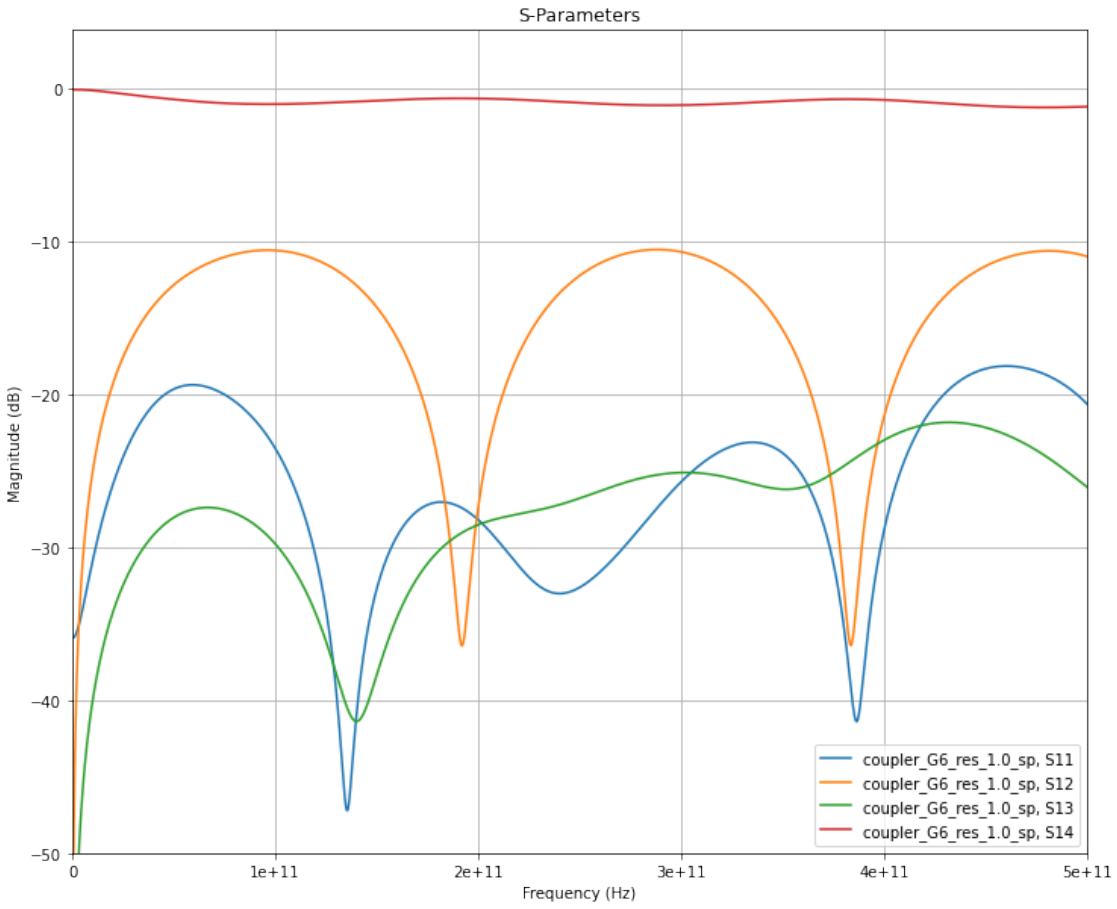


2 Coupler G6

- coupled_length = 400

[2]:
```
net = skrf.Network("coupler_G6_res_1.0_sp.s4p")
```

[3]:
```
print(net)
```

```
4-Port Network: 'coupler_G6_res_1.0_sp',  0.0-500000000000.0 Hz, 20000 pts,
z0=[50.+0.j 50.+0.j 50.+0.j 50.+0.j]
```

[4]:
```
net.plot_s_db(m=0)
plt.grid()
plt.ylim(bottom=-50)
plt.title("S-Parameters")
plt.show()
```