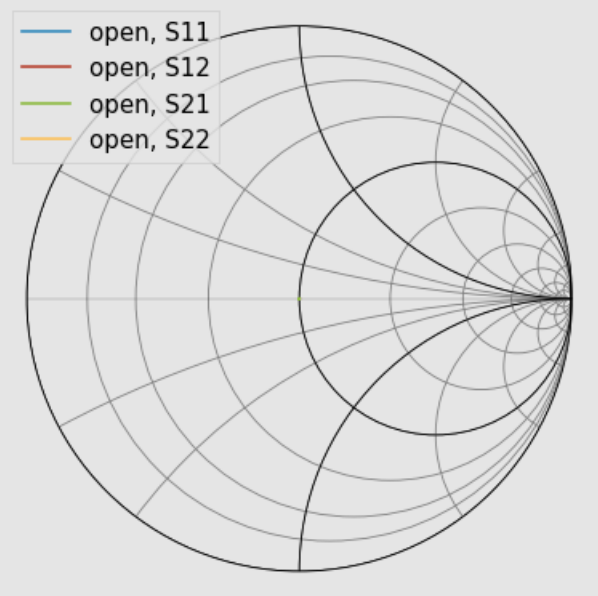
deembedding

April 18, 2017

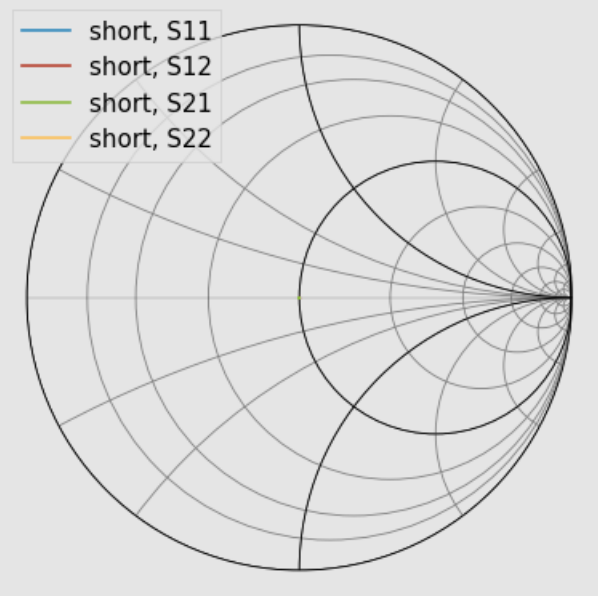
In [6]:
```
# for MATLAB commands
import skrf as rf
%matplotlib inline
from pylab import *
rf.stylely()


from skrf.calibration import SOLT


# a list of Network types, holding 'ideal' responses
my_ideals = [
    rf.Network('load_ideal.s2p'),
    rf.Network('open_ideal.s2p'),
    rf.Network('short_ideal.s2p'),
    rf.Network('thru_ideal.s2p'),
    ]

# a list of Network types, holding 'measured' responses
my_measured = [
    rf.Network('load.s2p'),
    rf.Network('open.s2p'),
    rf.Network('short.s2p'),
    rf.Network('thru.s2p'),
]


## create a SOLT instance
cal = SOLT(
    ideals = my_ideals,
    measured = my_measured,
    )


## run, and apply calibration to a DUT

# run calibration algorithm
```

```
cal.run()

# apply it to a dut (here the standards)
open_ = rf.Network('open.s2p')
open_corr = cal.apply_cal(open_)

short = rf.Network('short.s2p')
short_corr = cal.apply_cal(short)

load = rf.Network('load.s2p')
load_corr = cal.apply_cal(load)

thru = rf.Network('thru.s2p')
thru_corr = cal.apply_cal(thru)



# plot results
figure(1)
title('Corrected OPEN standard')
#open_corr.plot_s_db()
open_corr.plot_s_smith()
figure(2)
title('Corrected SHORT standard')
#short_corr.plot_s_db()
short_corr.plot_s_smith()
figure(3)
title('Corrected LOAD standard')
#load_corr.plot_s_db()
load_corr.plot_s_smith()
figure(4)
title('Corrected THRU standard')
#thru_corr.plot_s_db()
thru_corr.plot_s_smith()


# save results
#dut_caled.write_touchstone()
```

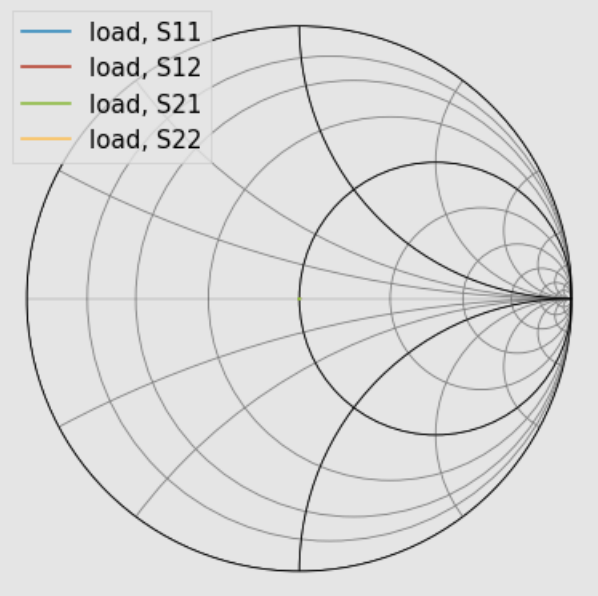
Corrected OPEN standard



Corrected SHORT standard



Corrected LOAD standard



Corrected THRU standard