```
[pira@pira-macbook]# python iir.py
omega_d = 12566.370614359172
omega_c = 14530.850560107217
fa = 2312.6566939707
alpha = 1.4530850560107218
a1 = -0.15838444032453627
b0 = 0.4208077798377318
b1 = 0.4208077798377318
0.4208077798377318
0.48745718453154163
0.07720563335420243
0.012228171028706701
0.0019367520245744199
0.000306751385459632
4.858464650479991e-05
7.695052045028172e-06
1.2187765114199654e-06
1.93035235641942e-07
3.057377776006396e-08
4.842410679134485e-09
7.66962505236273e-10
1.214749271417513e-10
1.9239738348810103e-11
3.0472751903668056e-12
4.826409755410912e-13
7.644282078876394e-14
1.2107353387457203e-14
1.9176163900837873e-15
3.037205987005783e-16
```