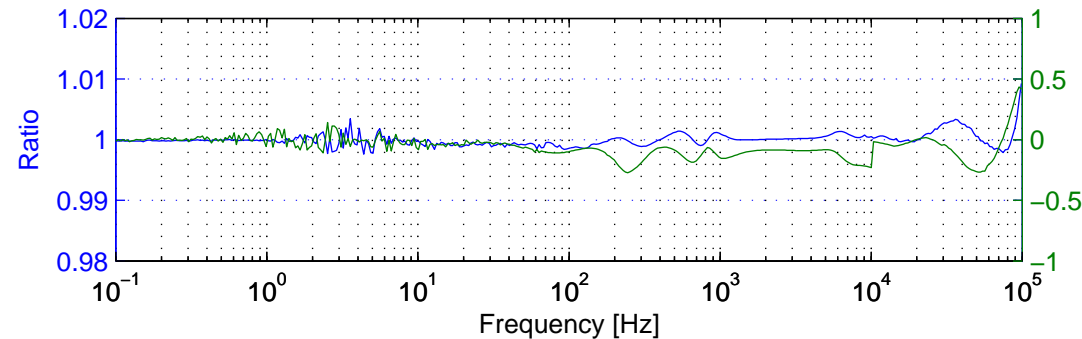
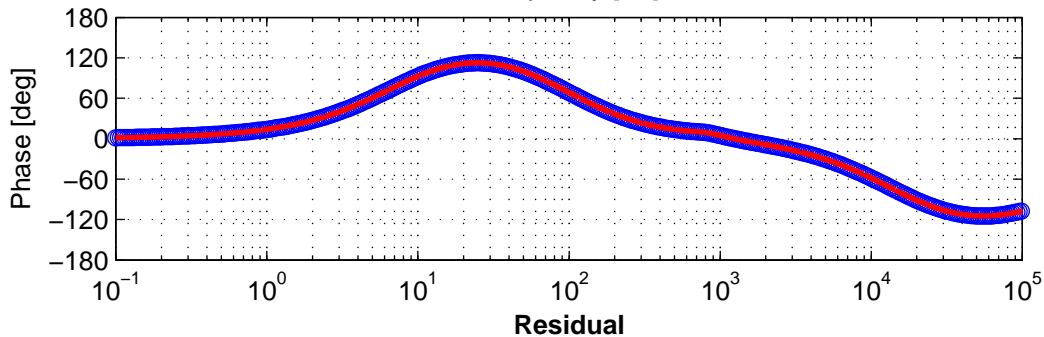
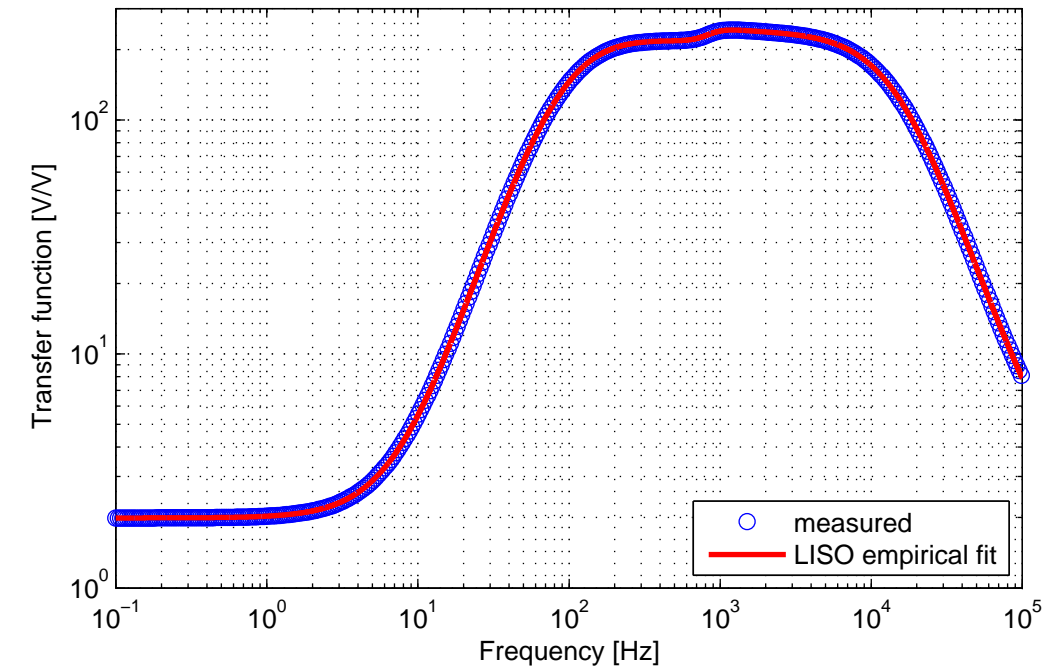


# Preamp #006 / LISO empirical ZPK fit (2013/06/06)



```
#LISO SOURCE
zero 7.4673352960 ### fitted (name = zero0)
zero 7.4673352960 ### fitted (name = zero1)
zero 228.8721712631k 379.4679456383m ### fitted (name = zero2)
zero 1.3669731892k 141.2732297221m ### fitted (name = zero3)
zero 822.8066296486 1.2794812162 ### fitted (name = zero4)

pole 68.8589643238 ### fitted (name = pole0)
pole 122.4172483034 ### fitted (name = pole1)
pole 15.2033054358k ### fitted (name = pole2)
pole 15.2032736526k ### fitted (name = pole3)
pole 853.9188718899 1.2926911334 ### fitted (name = pole4)
pole 1.1971266387k 119.8255710086m ### fitted (name = pole5)

factor 1.9923637906 ### fitted

param zero0:f 1 100
#param zero1:f 1 100 # use zero0:f = zero1:f due to strong correlation
sparam zero1:f
param zero2:f 1k 1M
param zero2:q 0 100
param zero3:f 10 10k
param zero3:q 0 100
param zero4:f 10 10k
param zero4:q 0 100

param pole0:f 1 100k
param pole1:f 1 100k
param pole2:f 1 100k
param pole3:f 1 100k
param pole4:f 10 10k
param pole4:q 0 100
param pole5:f 10 10k
param pole5:q 0 100

param factor 1p 1M

fit TF006A.bod absdeg rel

rewrite samebetter

gnuterm pdf

freq log 0.01 100k 10000 ### from data file

=====

#Parameter Estimation

#Best parameter estimates:
#zero0:f = 7.4673352960064196537 +- 2.338m (0.0313%)
#--> zero1:f = 7.4673352960 +- 2.338m (0.0313%)
#zero2:f = 228872.17126311597531 +- 5.45k (2.38%)
#zero2:q = 0.37946794563832347835 +- 19.16m (5.05%)
#zero3:f = 1.3669731892k */ 4.263
#zero3:q = 141.2732297221m */ 4.276
#zero4:f = 822.80662964858265696 +- 45.47 (5.53%)
#zero4:q = 1.2794812162150526191 +- 27.62m (2.16%)
#pole0:f = 68.858964323822476672 +- 503.6m (0.731%)
#pole1:f = 122.41724830341620134 +- 6.038 (4.93%)
#pole2:f = 15203.305435788826799 +- 2.454k (16.1%)
#pole3:f = 15203.273652604968447 +- 2.455k (16.1%)
#pole4:f = 853.9188718899348487 +- 47.31 (5.54%)
#pole4:q = 1.2926911334421424815 +- 19.35m (1.5%)
#pole5:f = 1.1971266387k */ 4.781
#pole5:q = 119.8255710086m */ 5
#factor = 1.9923637905677389348 +- 424.5u (0.0213%)
```