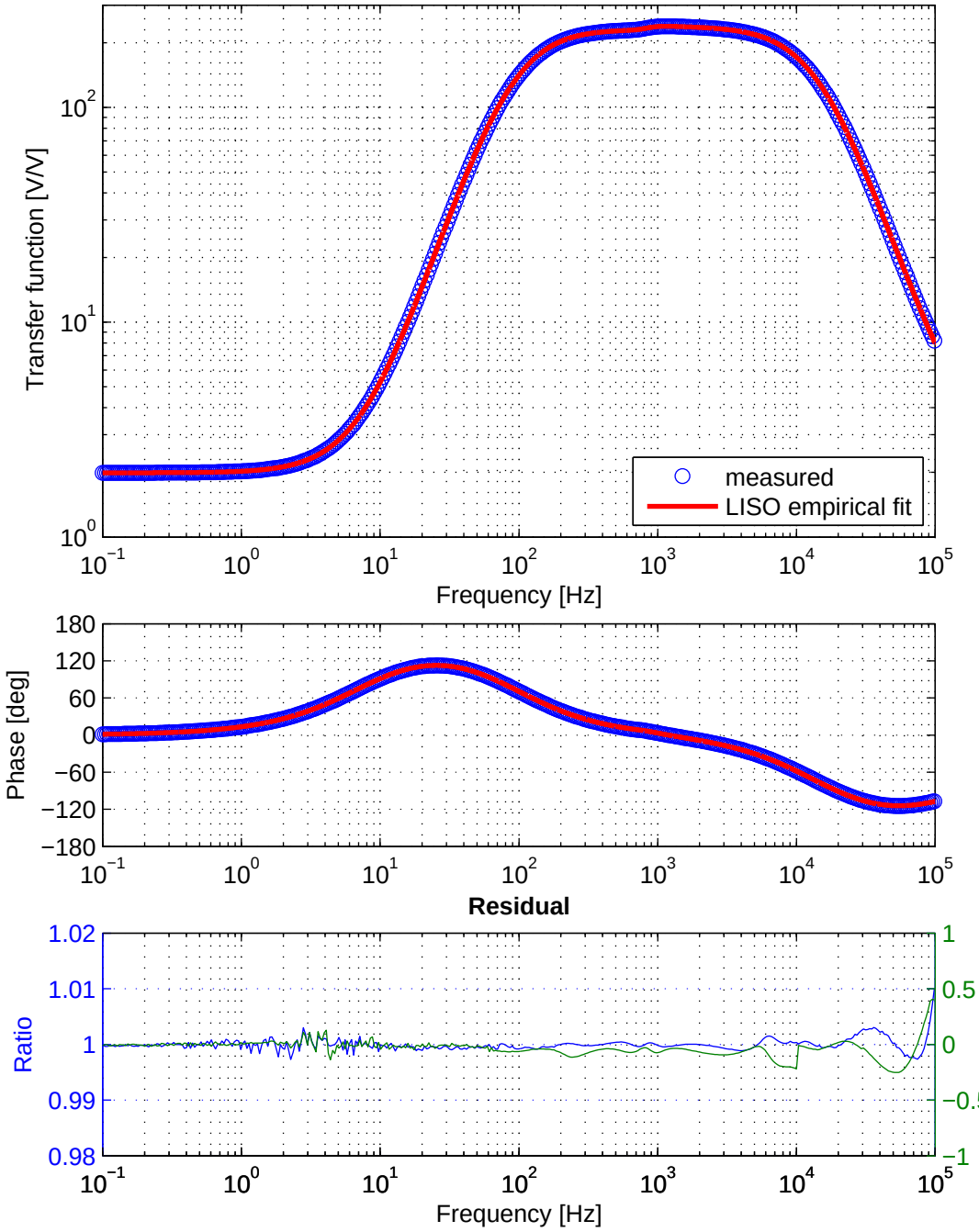
Preamp #008 / LISO empirical ZPK fit (2013/06/06)




```
#LISO SOURCE
zero 7.6987743811  ### fitted (name = zero0)
zero 7.6987743811  ### fitted (name = zero1)
zero 227.5345331481k 379.4781665447m  ### fitted (name = zero2)
zero 958.8734462477 176.9697978038m  ### fitted (name = zero3)
zero 848.9158513132 1.5427347805  ### fitted (name = zero4)

pole 73.3771703958  ### fitted (name = pole0)
pole 106.5874613057  ### fitted (name = pole1)
pole 15.3990827305k  ### fitted (name = pole2)
pole 15.3994734370k  ### fitted (name = pole3)
pole 858.5374427670 1.5507142696  ### fitted (name = pole4)
pole 914.6512056055 165.3854597175m  ### fitted (name = pole5)

factor 1.9913548808  ### 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 TF008A.bod absdeg rel

rewrite samebetter

gnuterm pdf

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



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#Parameter Estimation

#Best parameter estimates:
#zero0:f =          7.698774381061379124
#---> zero1:f = 7.6987743811
#zero2:f =          227534.53314806483104
#zero2:q =          0.37947816654465765795
#zero3:f =          958.87344624770400969
#zero3:q =          0.17696979780377342095
#zero4:f =          848.91585131324916347
#zero4:q =          1.5427347805131961245
#pole0:f =          73.377170395830233929
#pole1:f =          106.58746130567070054
#pole2:f =          15399.082730471898685
#pole3:f =          15399.473436988282629
#pole4:f =          858.53744276698262183
#pole4:q =          1.5507142696295133089
#pole5:f =          914.65120560547052264
#pole5:q =          0.16538545971749232799
#factor =          1.9913548807725862666
```