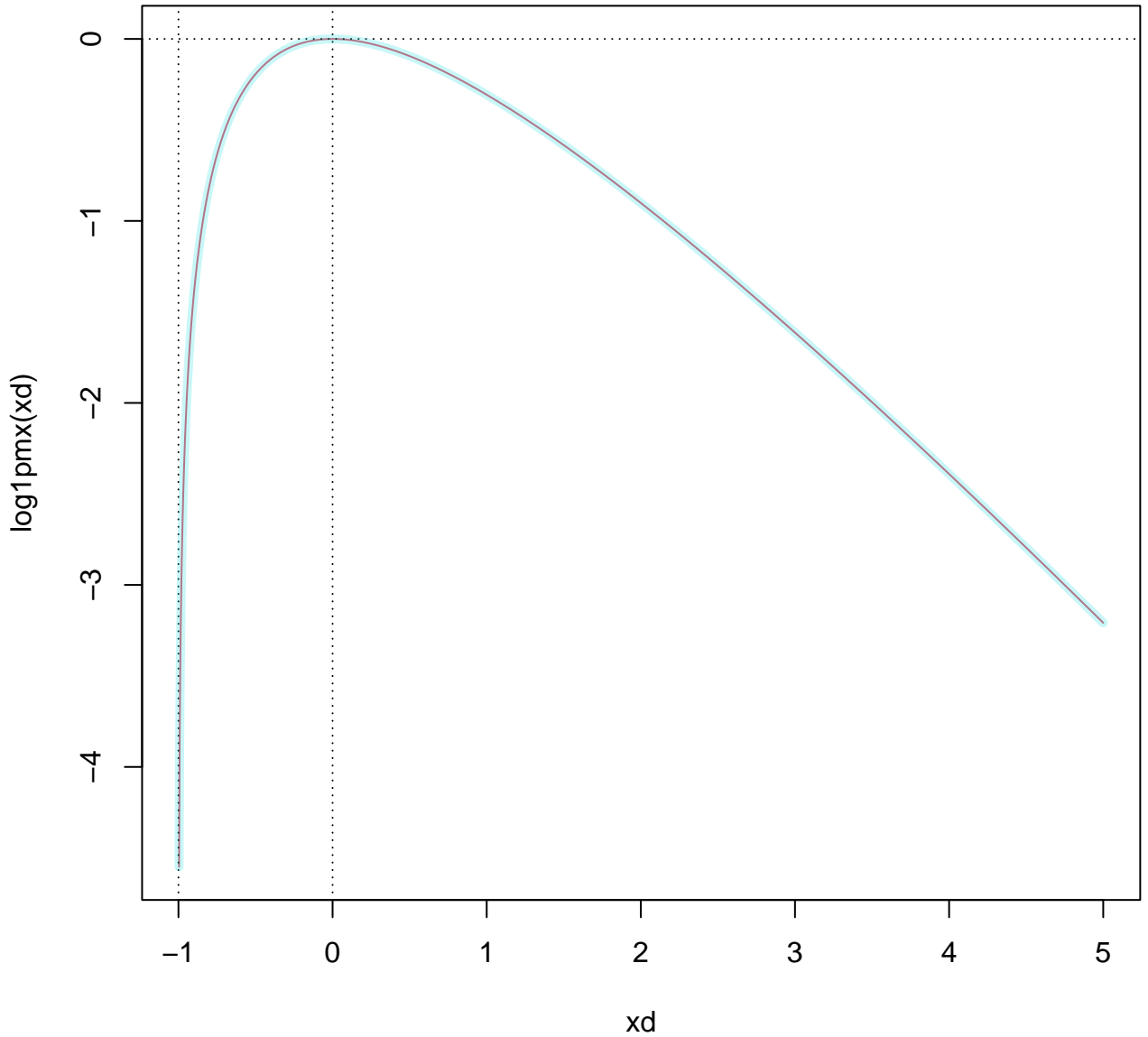
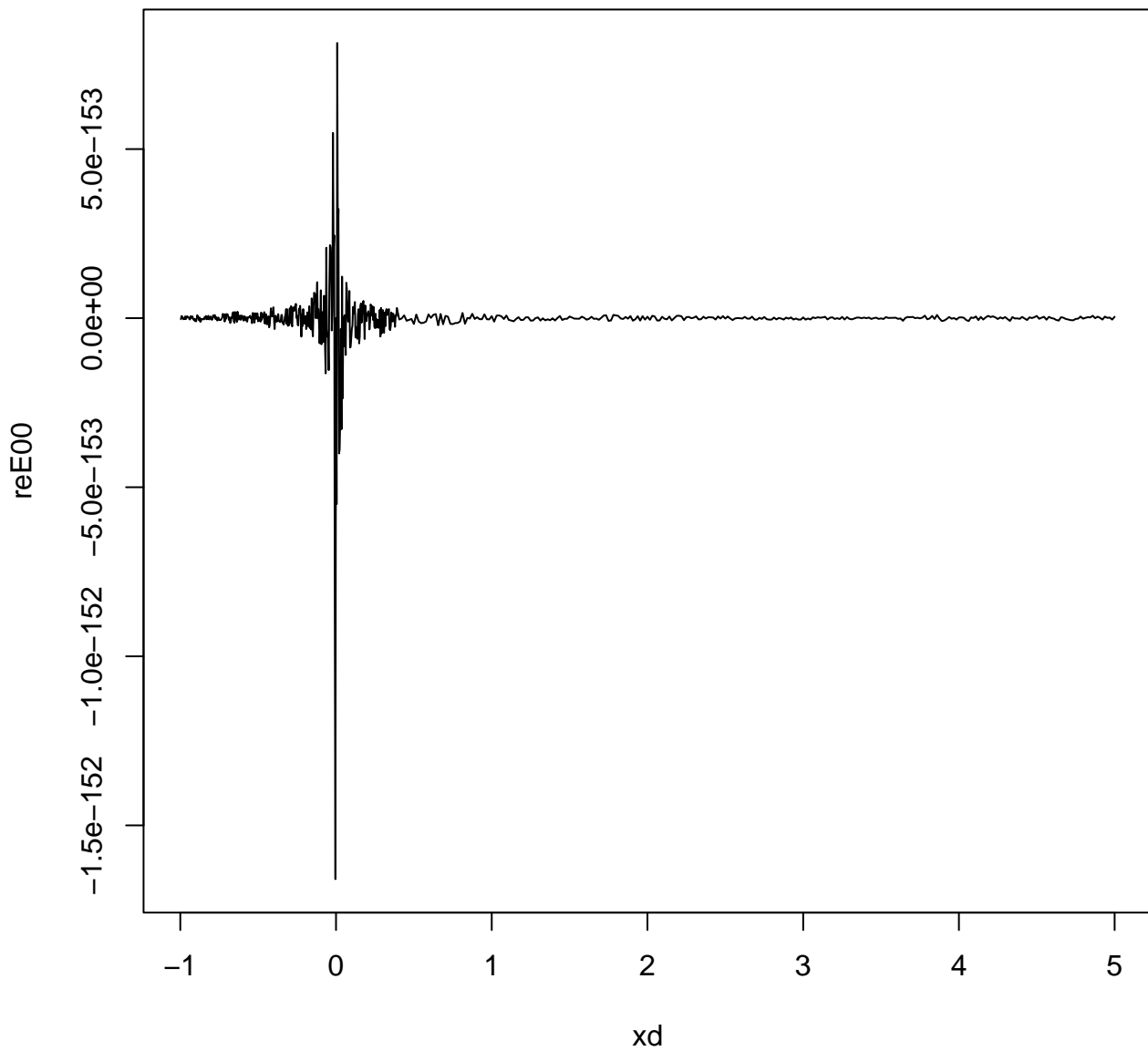
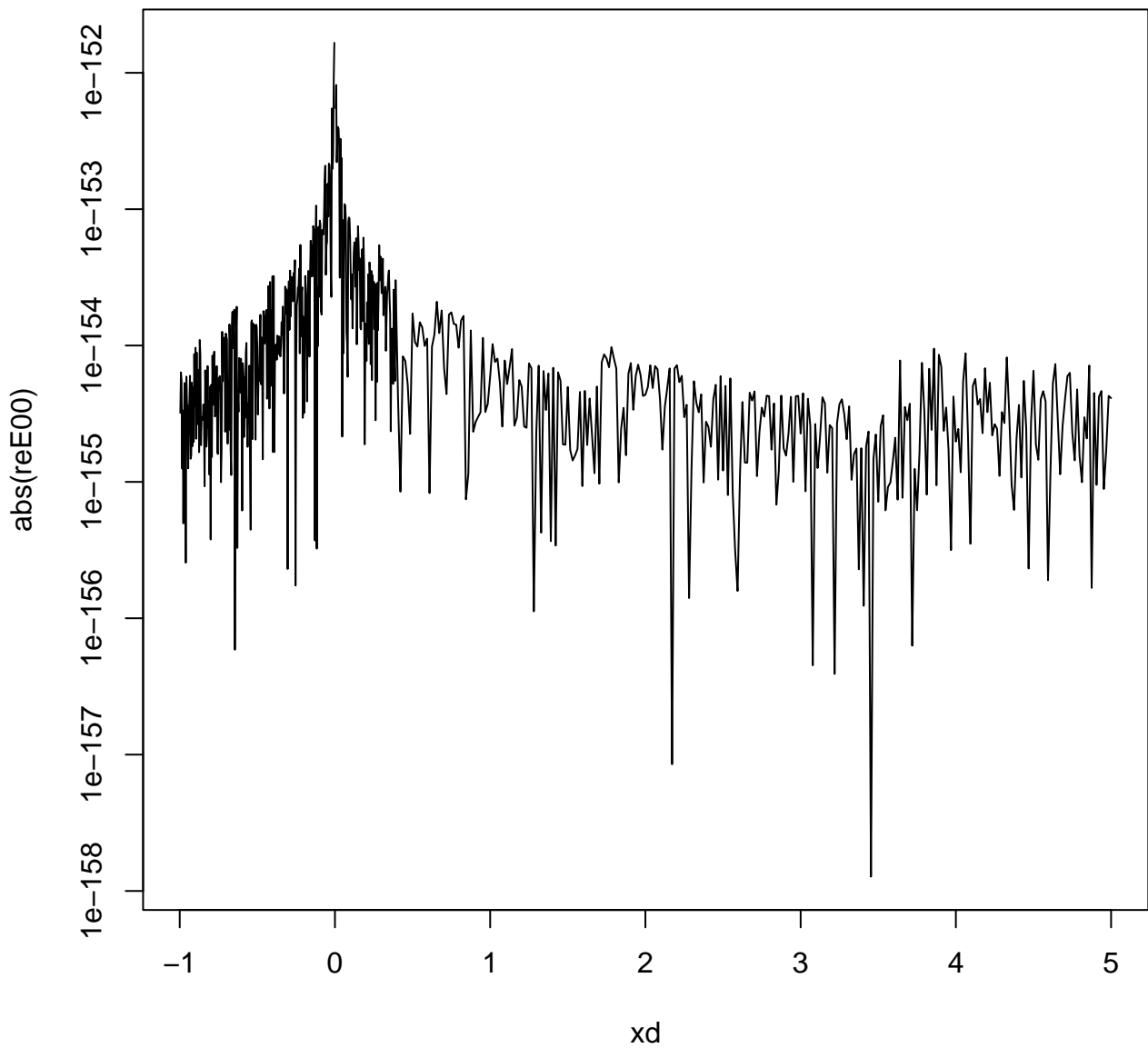
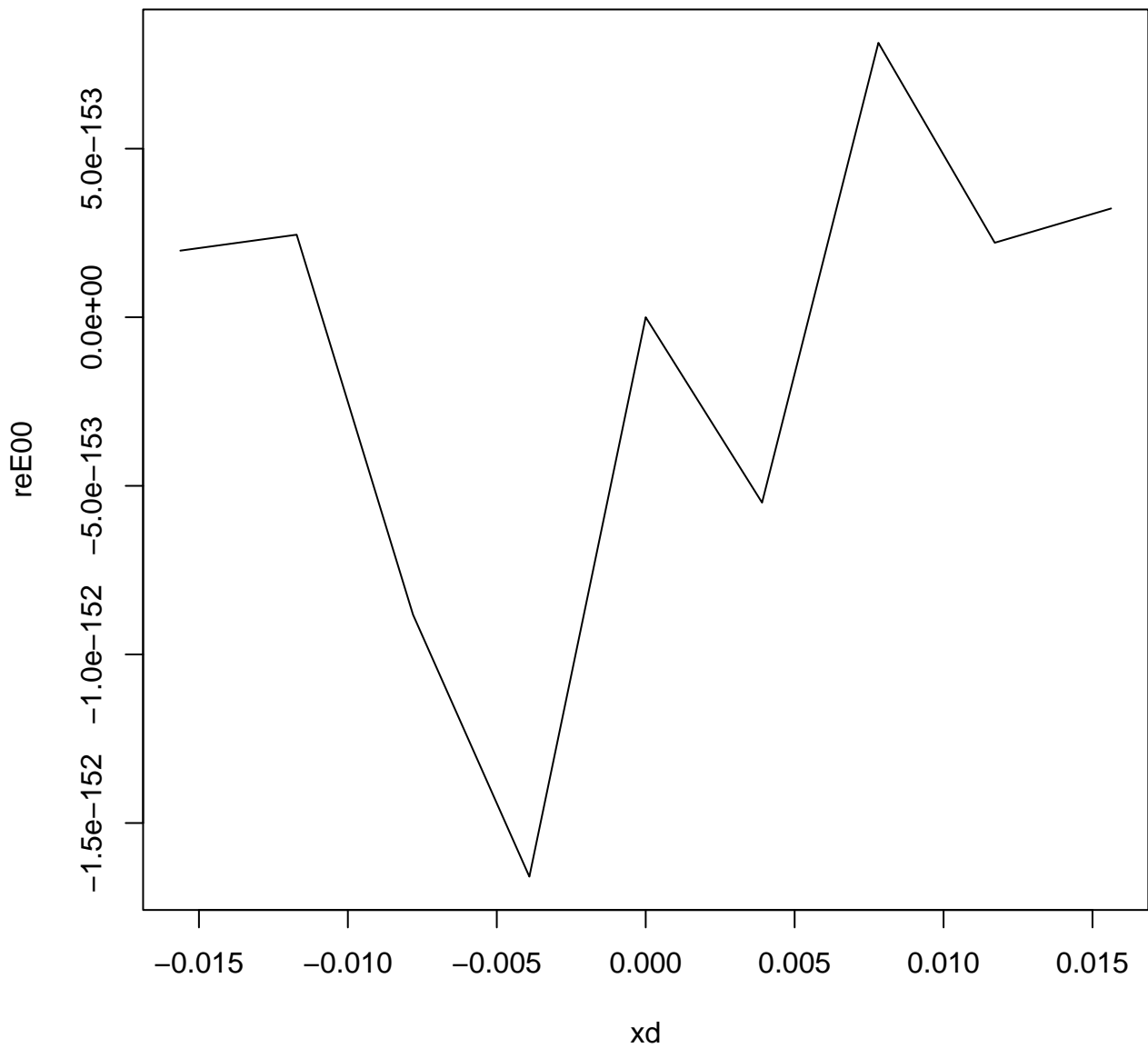


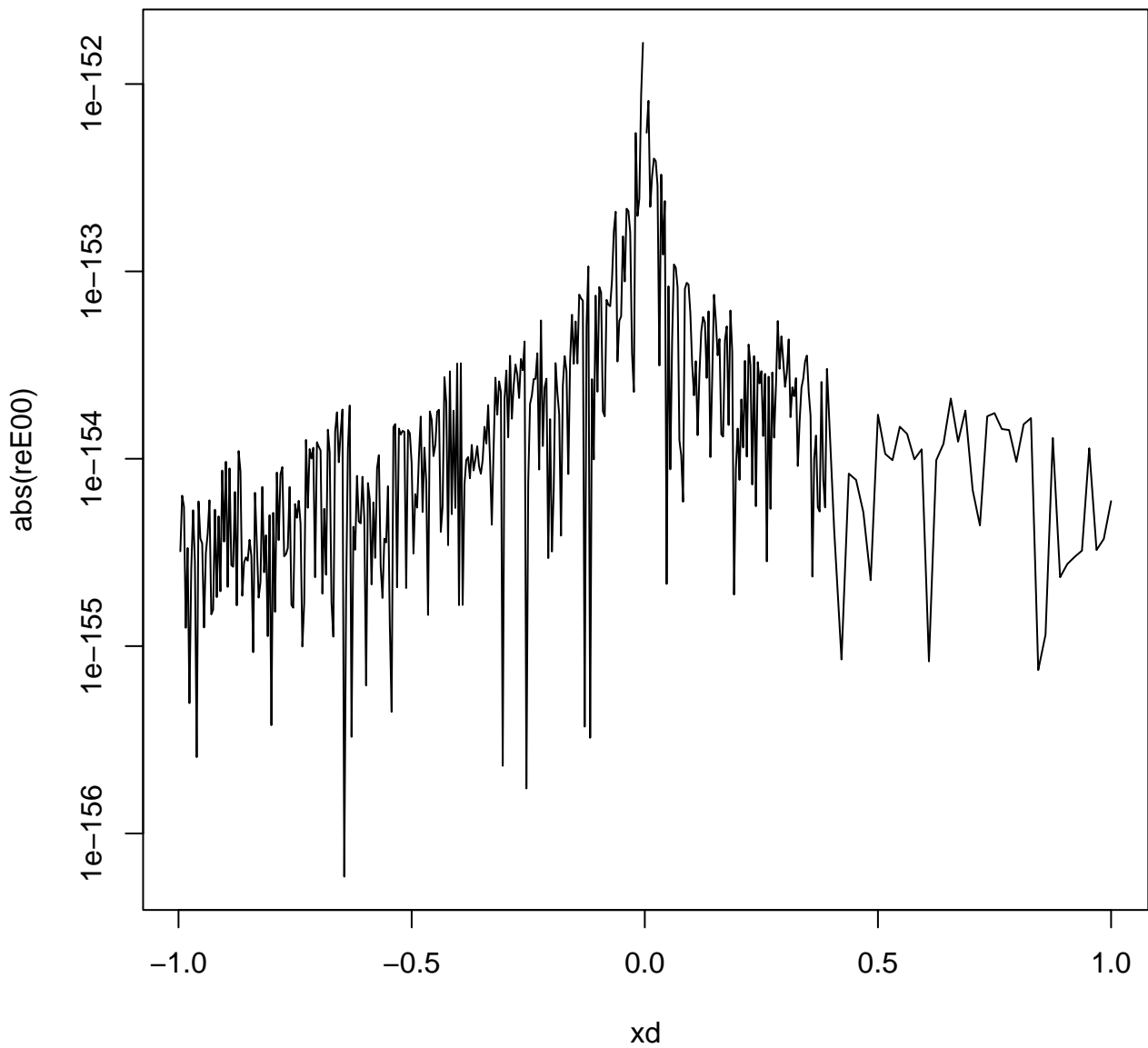
# $\log_{10} p_{mx}(x)$



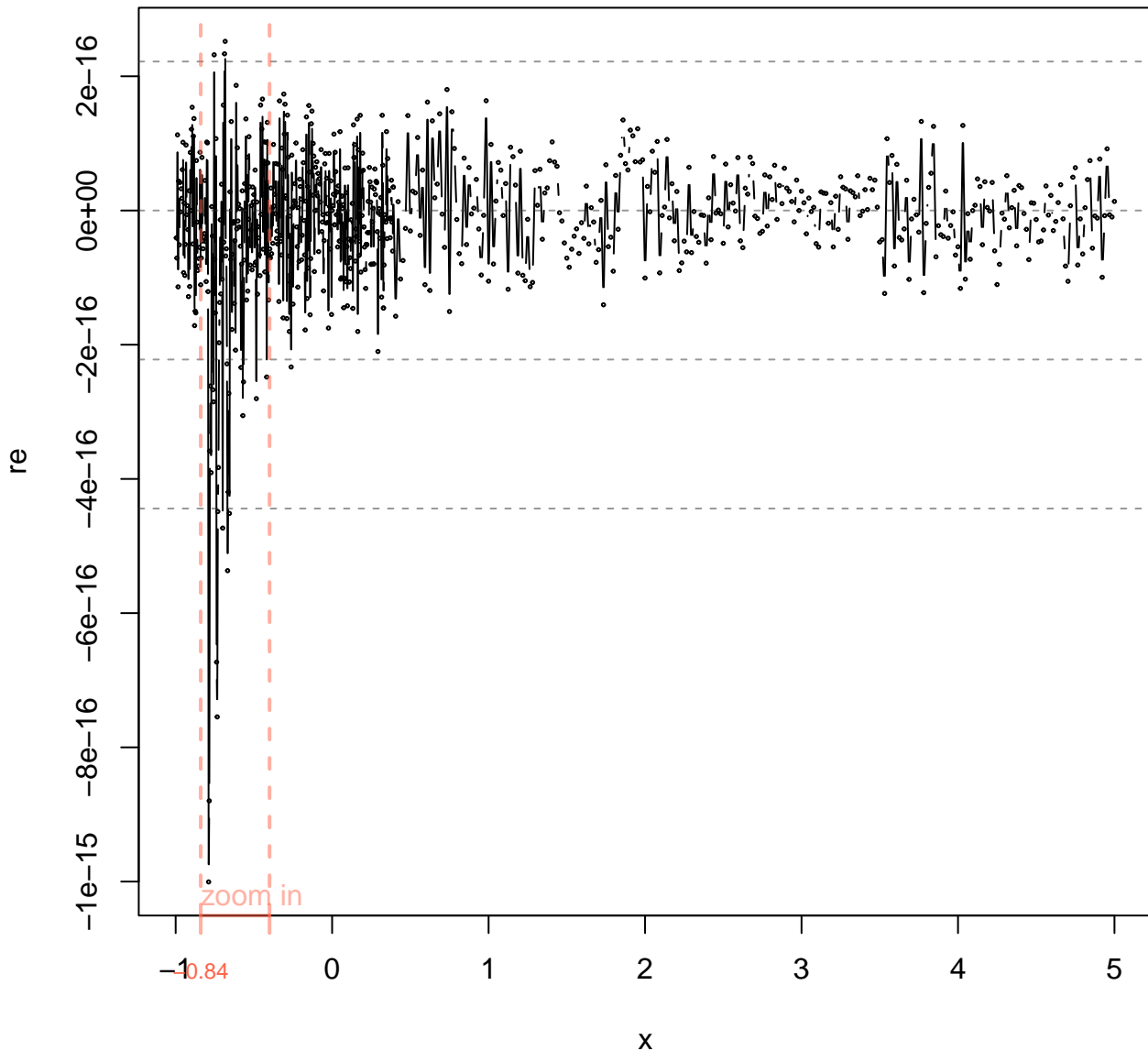




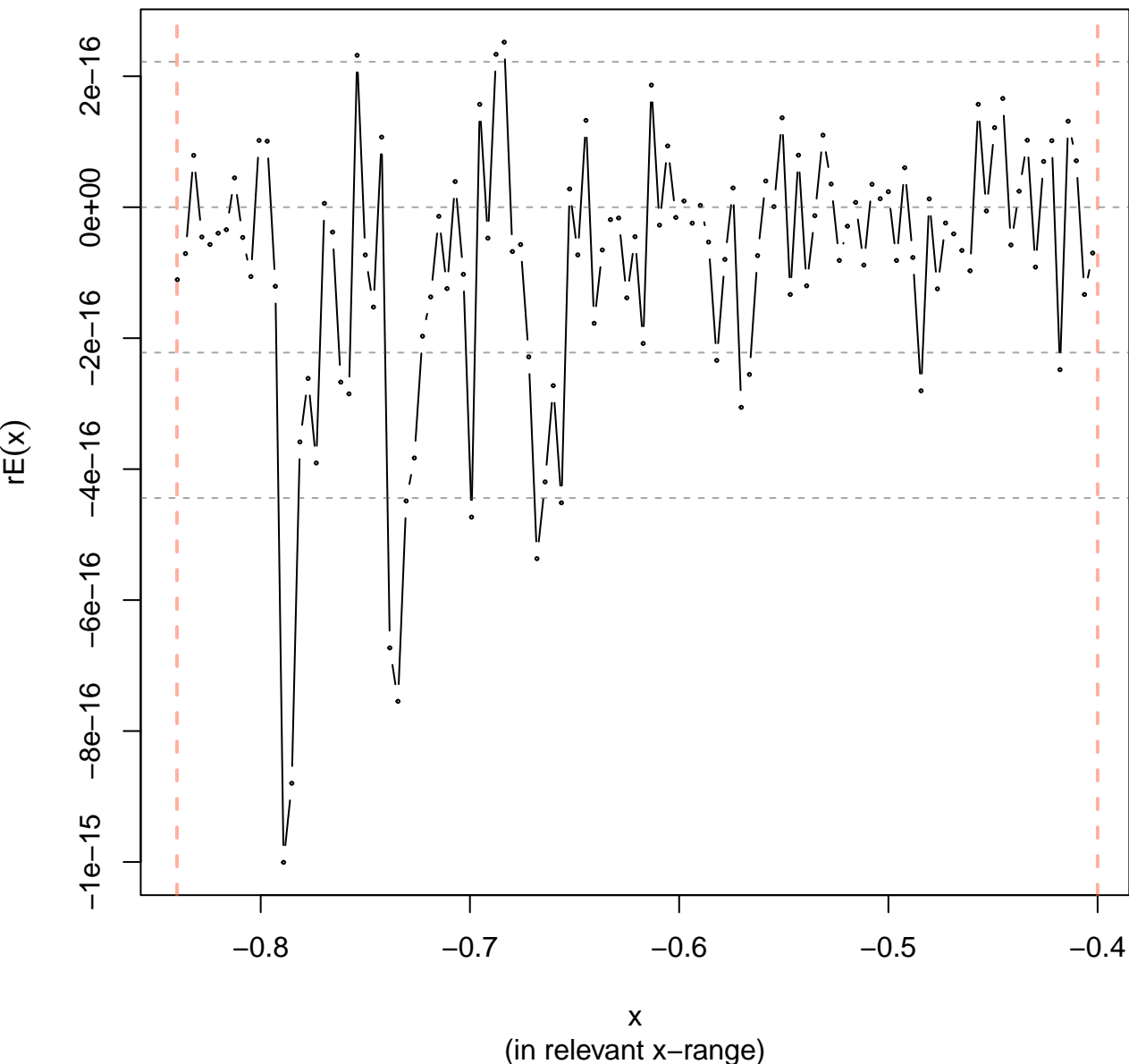




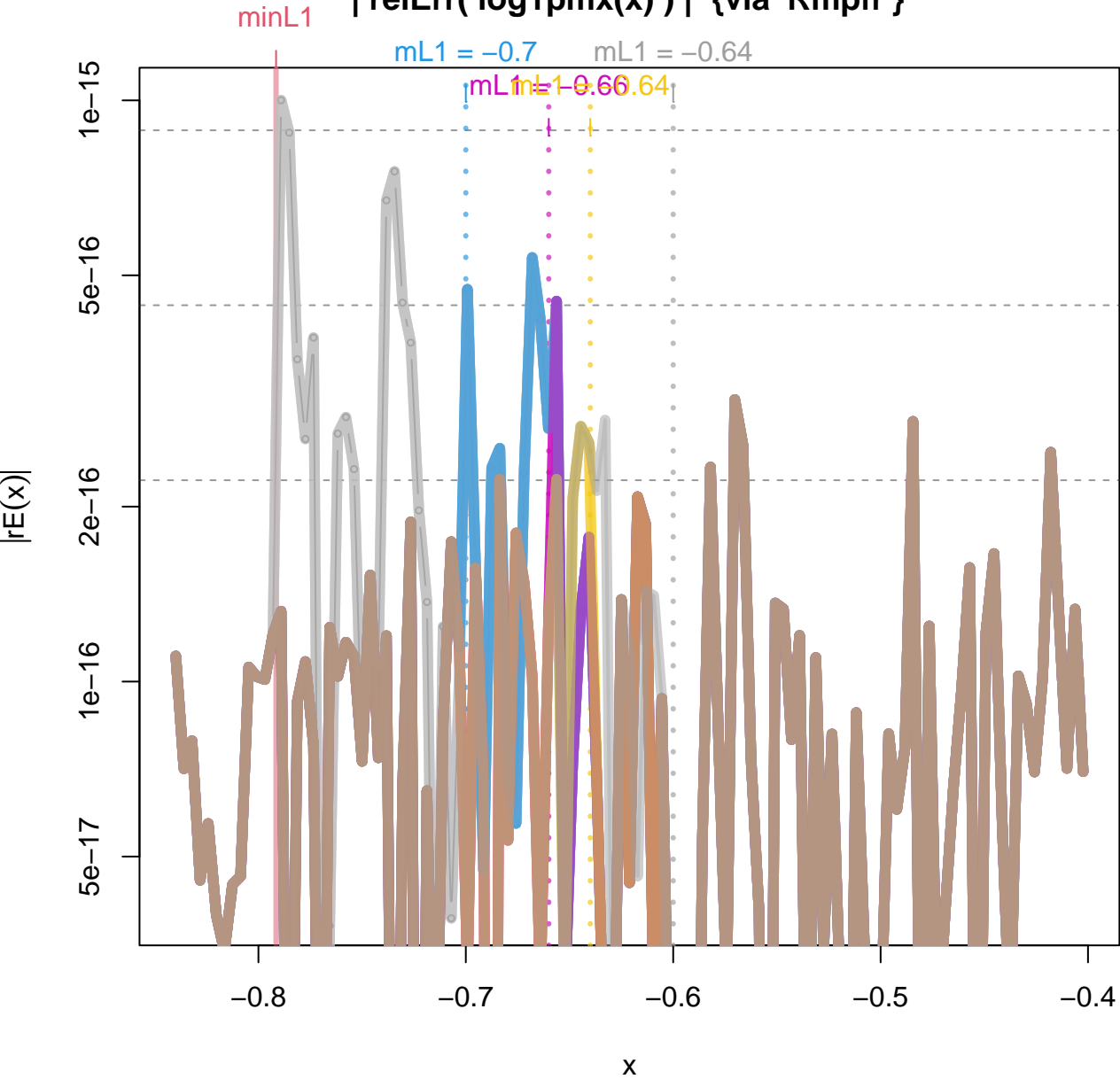
$\text{relErrV}(\log_1 p(x_M) - x_M, \log_1 p_{mx}(x)), x_M \leftarrow \text{mpfr}(x, 2048)$



# rel.Error of log1pmx(x)

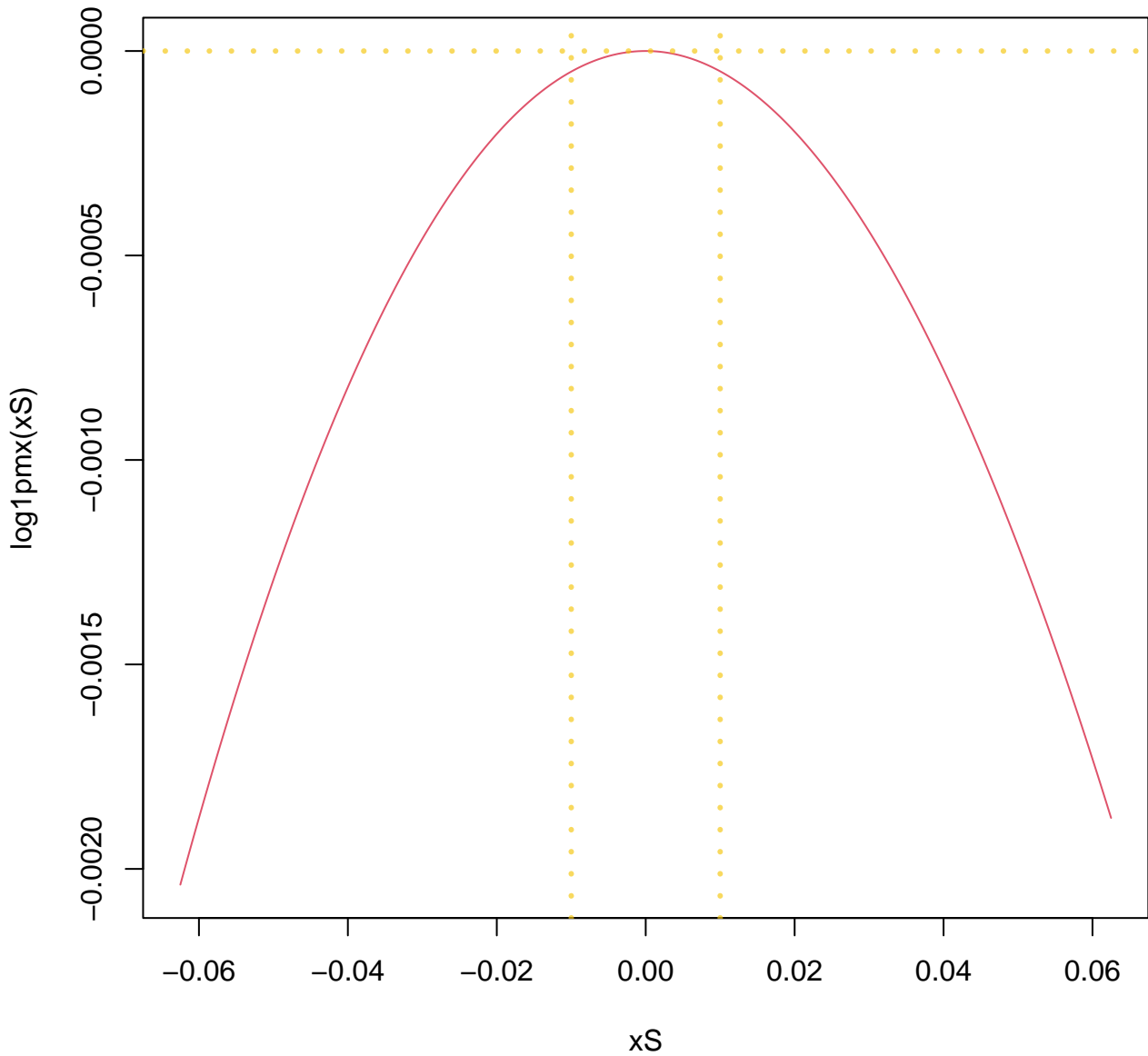


# | relErr( log1pmx(x) ) | {via 'Rmpfr'}

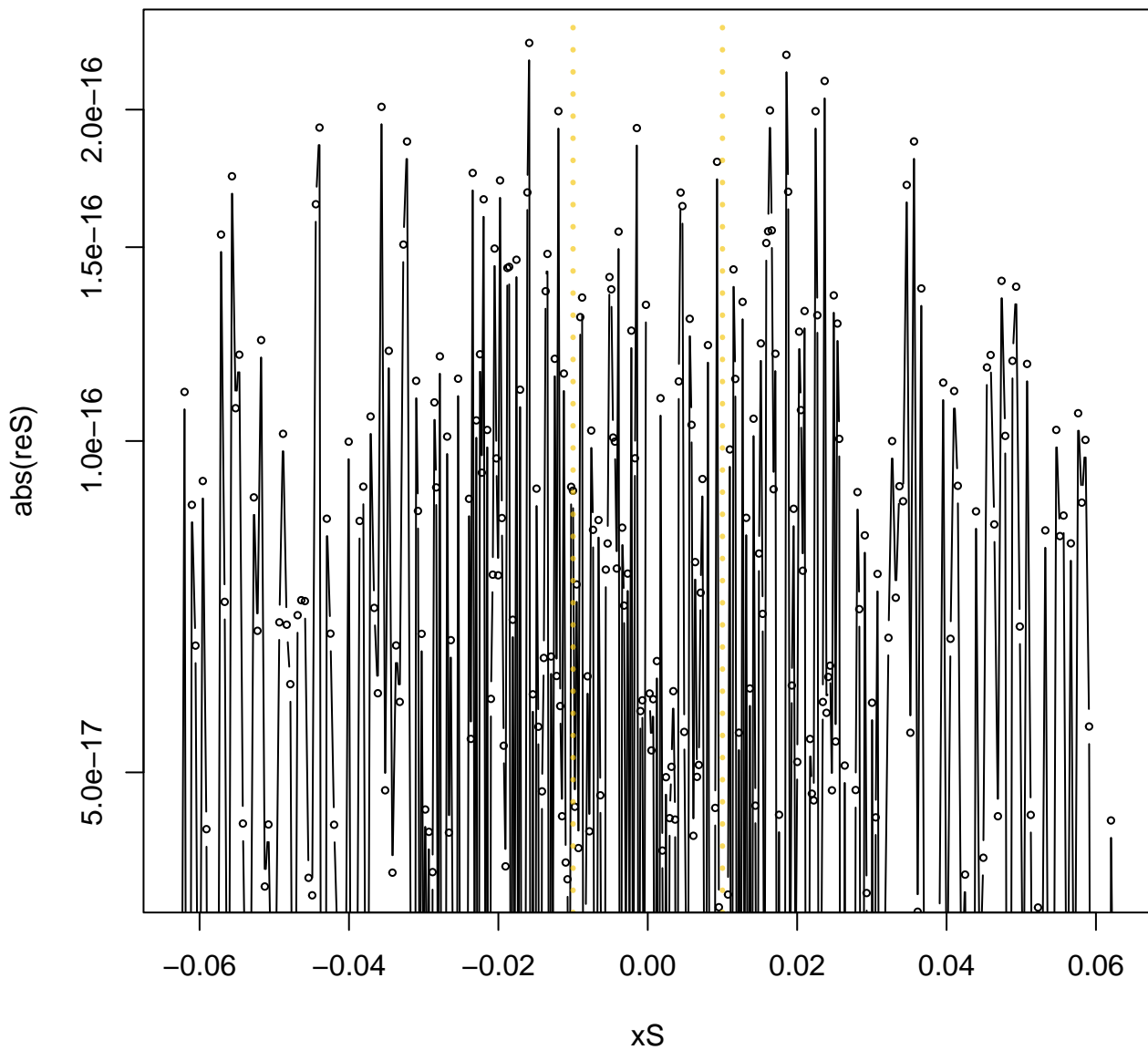




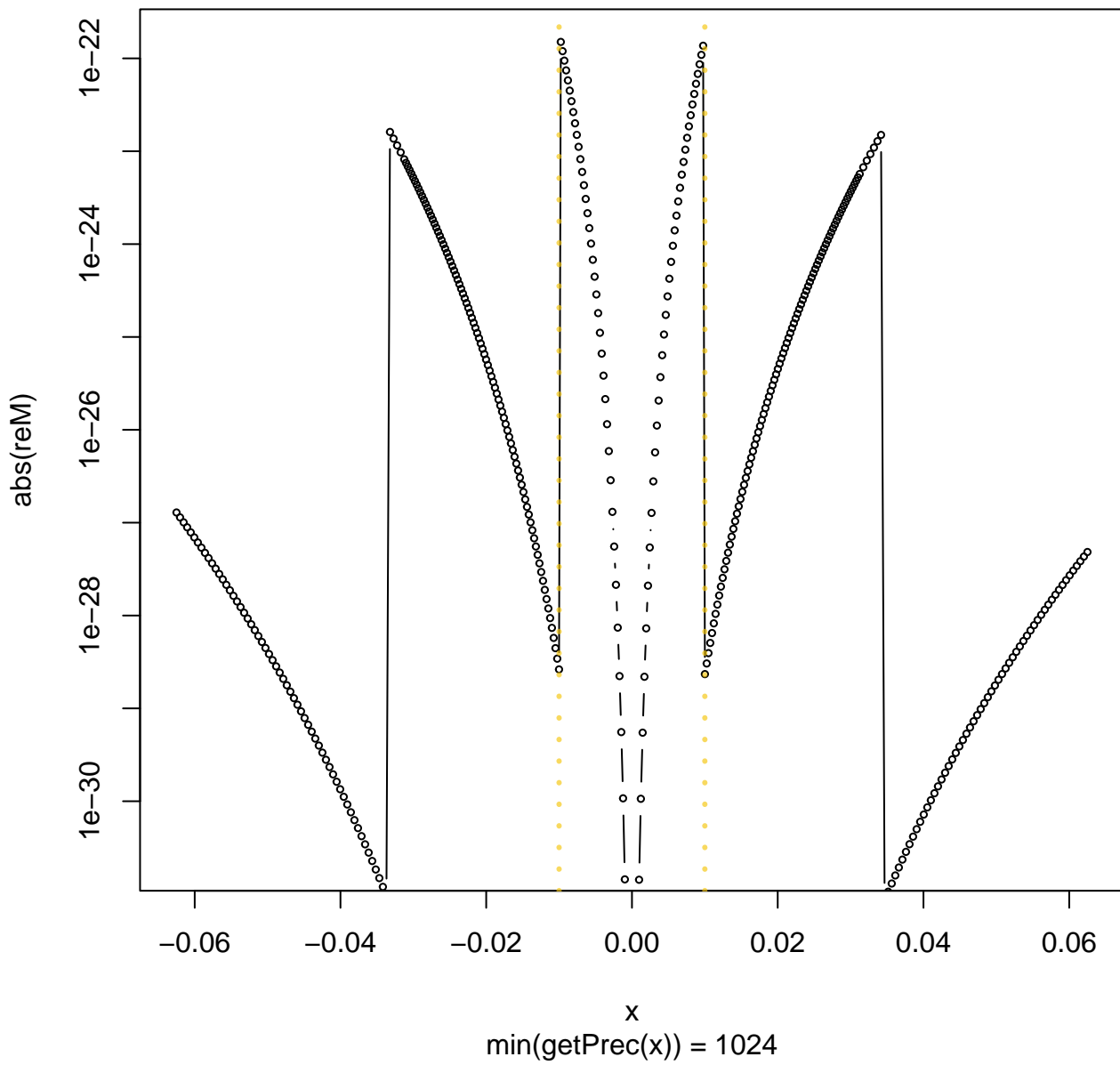
# log1pmx(x)



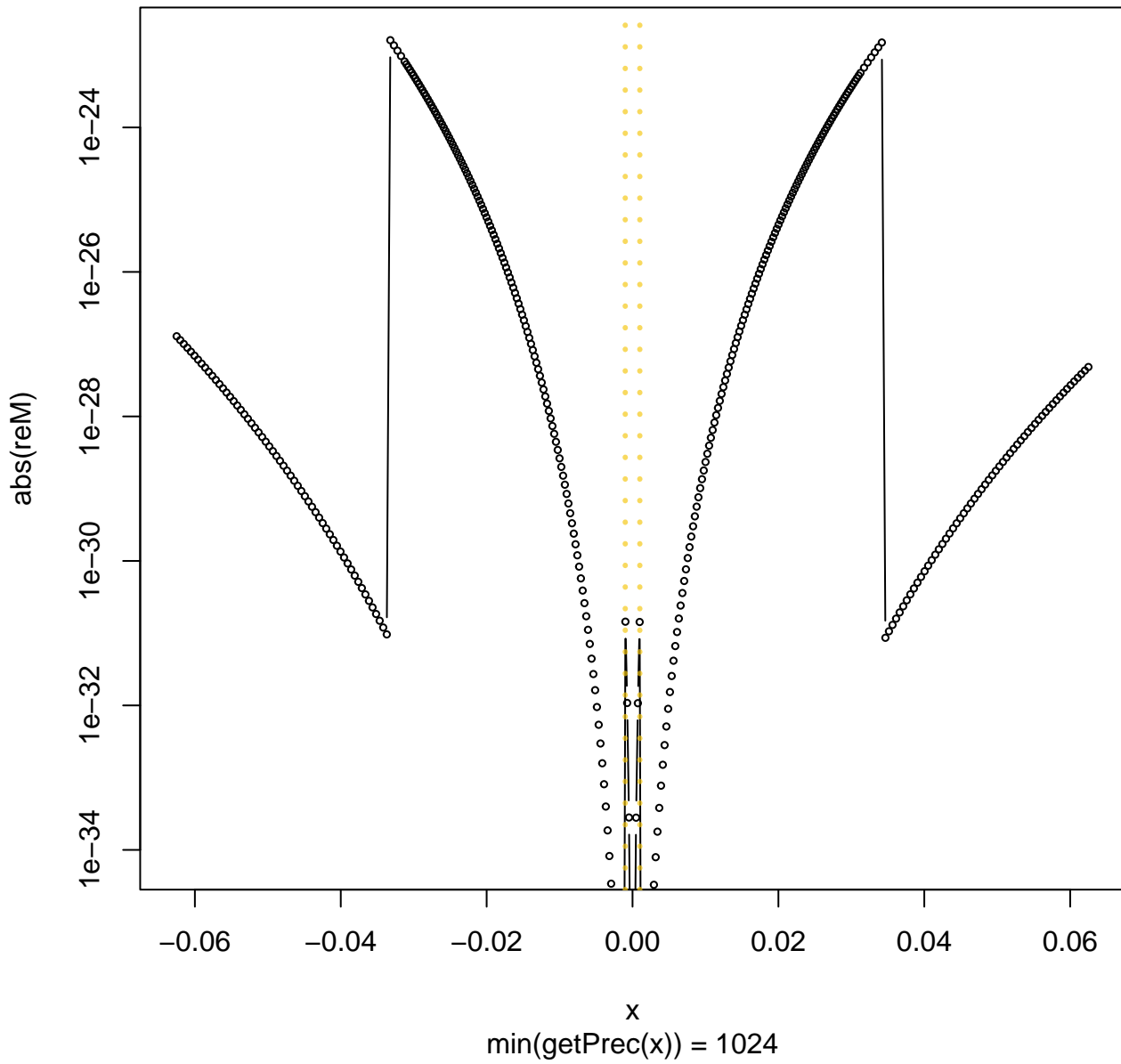
| relErr( log1pmx(<small x> ) ) | {via 'Rmpfr'}



# relative error of $R \log_1 \text{pmx}(\text{eps}_2=0.01, \text{tol\_logcf}=1\text{e-}17)$

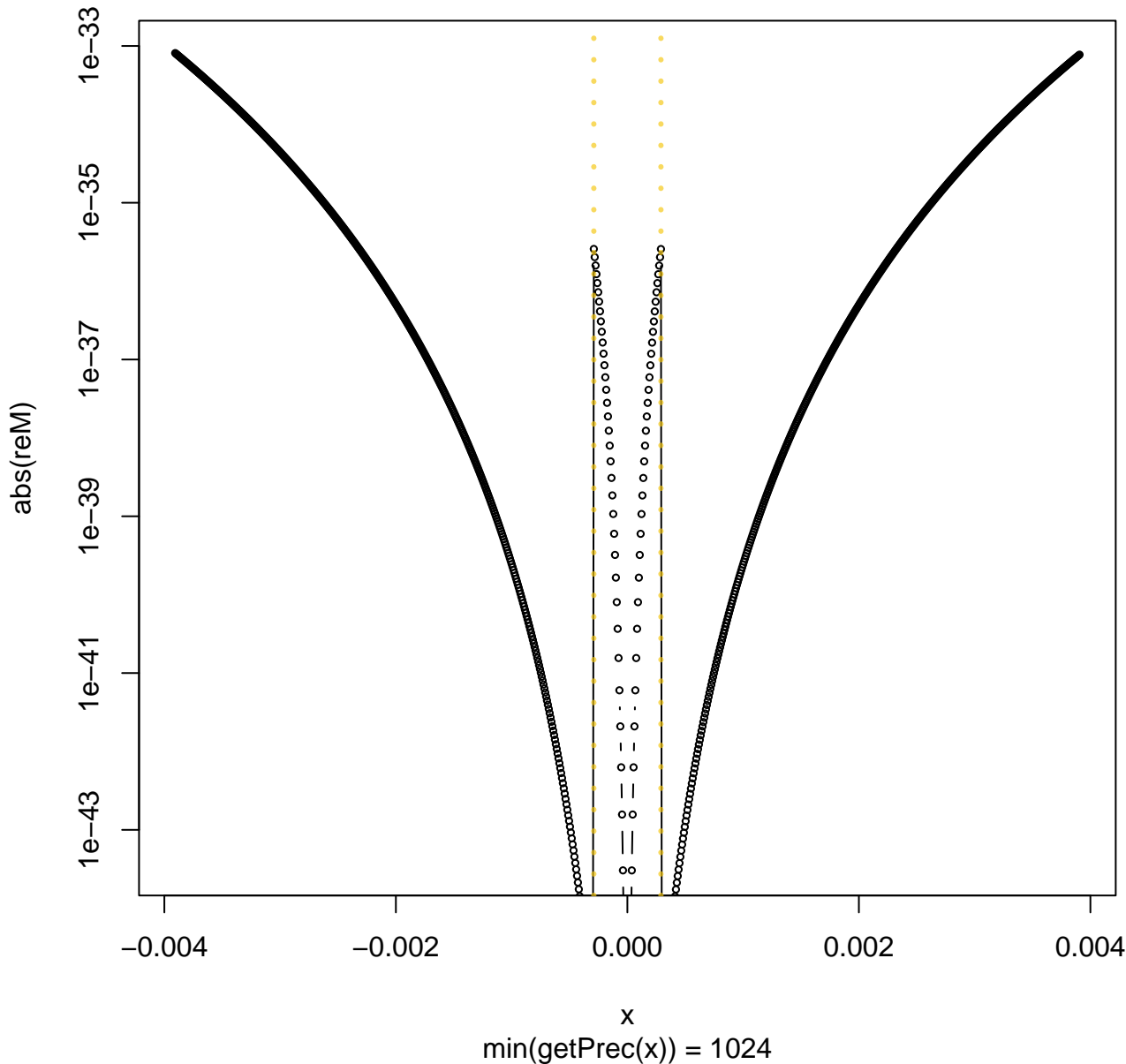


# relative error of R log1pmx(eps2=0.001, tol\_logcf=1e-17)

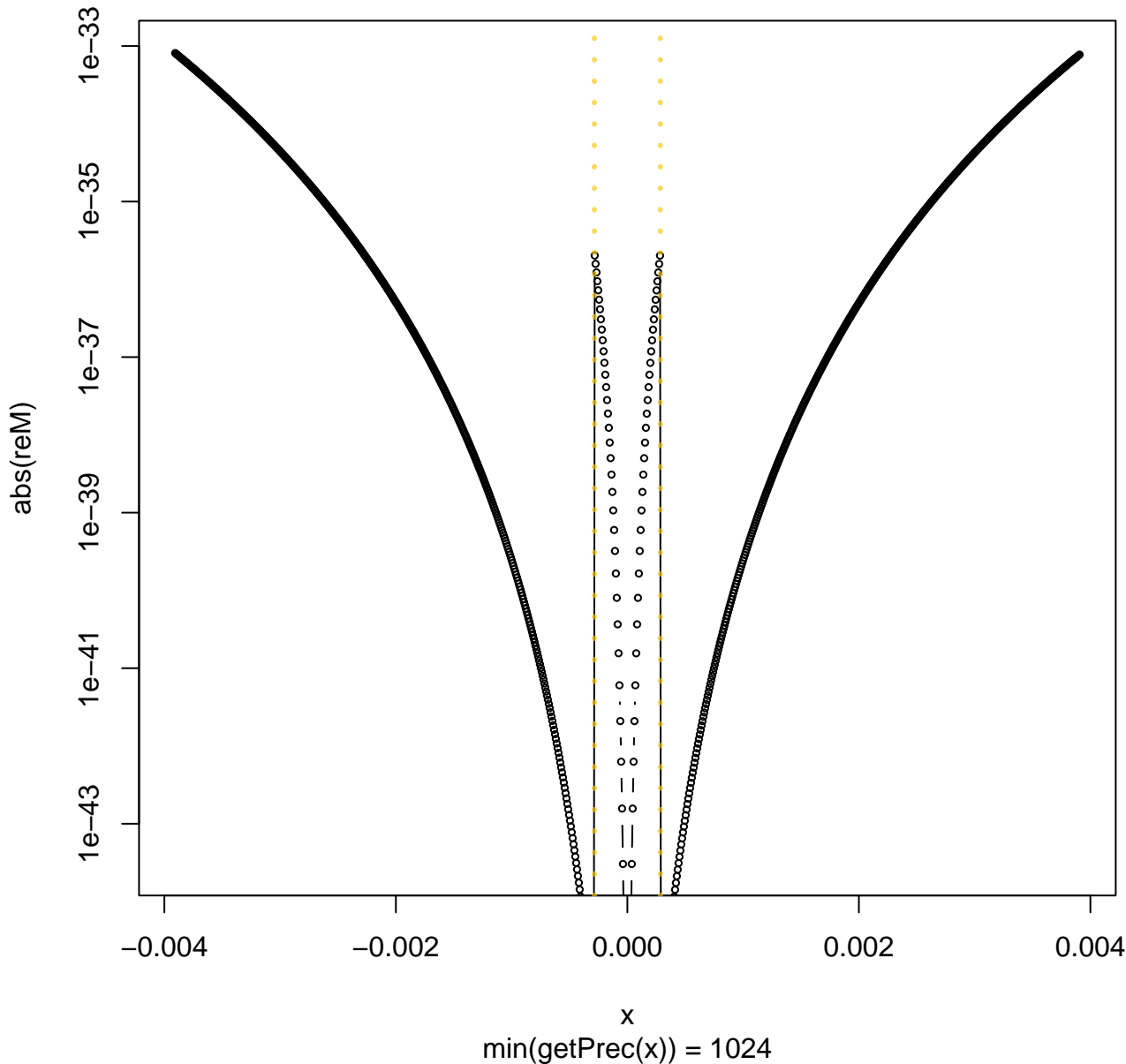




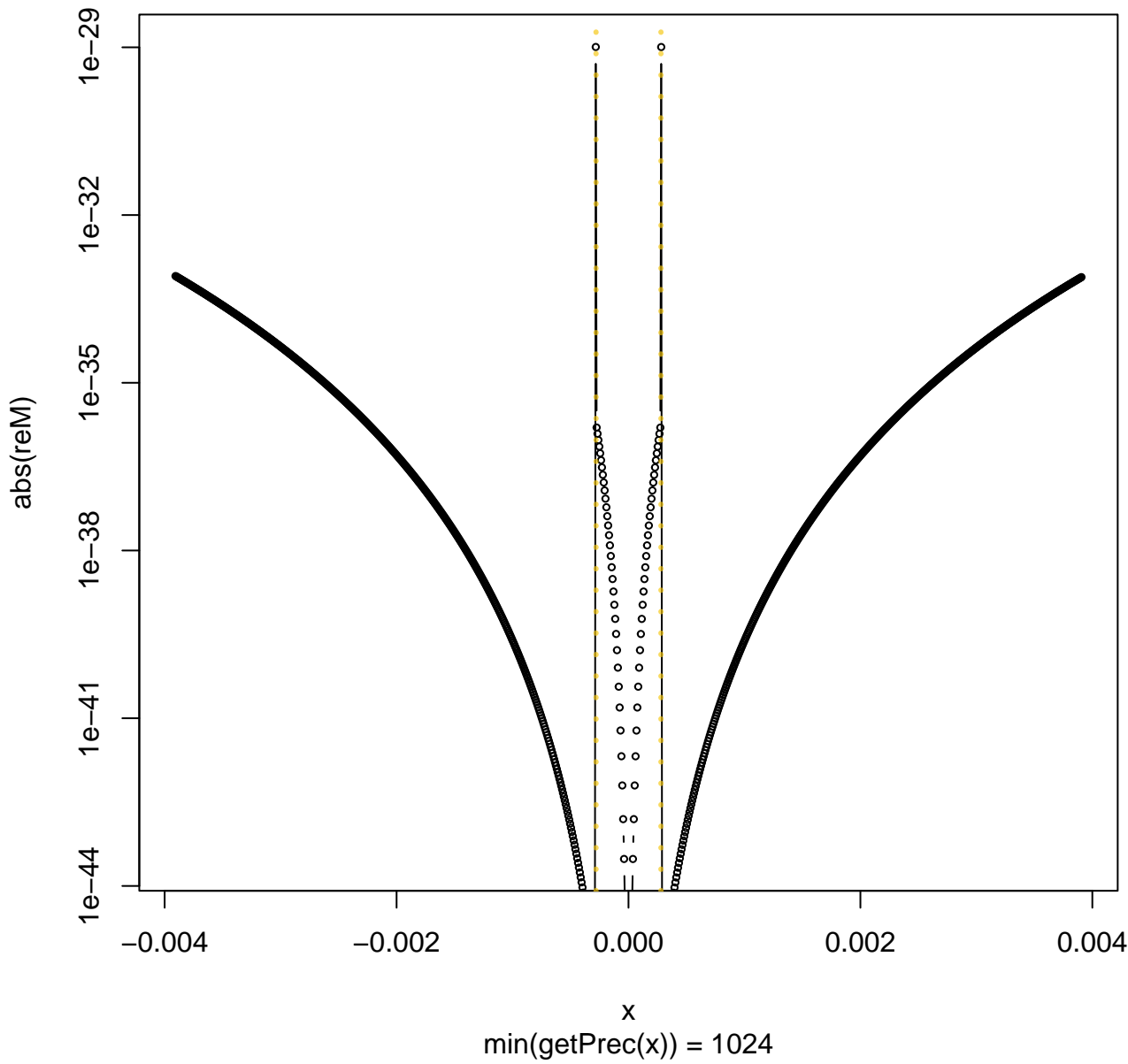
relative error of  $R \log_1 \text{pmx}(\text{eps}_2=0.00029, \text{tol\_logcf}=1\text{e-}17)$



relative error of  $R \log_1 \text{pmx}(\text{eps}_2=0.000285, \text{tol\_logcf}=1\text{e-}17)$

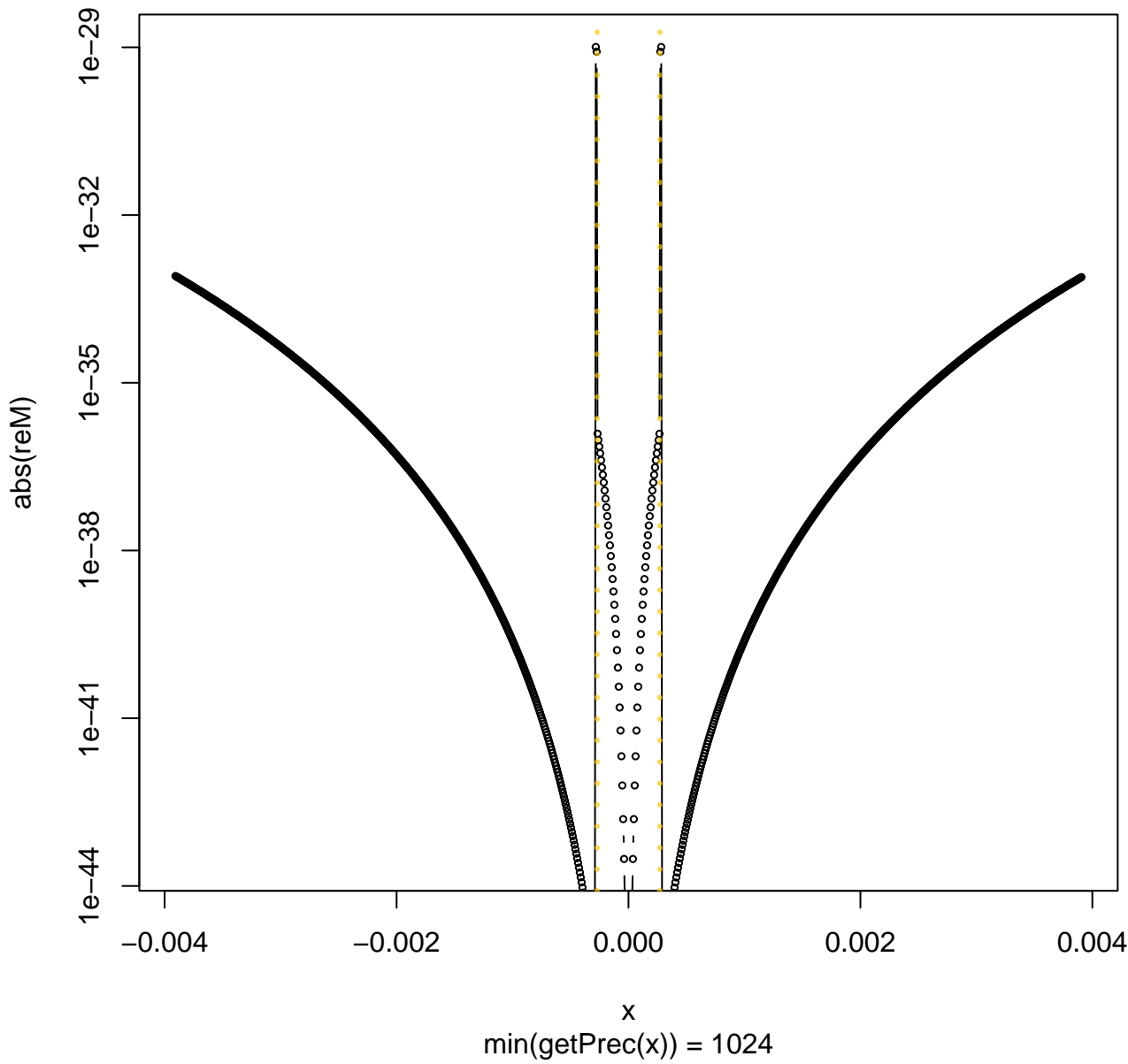


relative error of  $R \log_1 \text{pmx}(\text{eps}_2=0.00028, \text{tol\_logcf}=1\text{e-}17)$

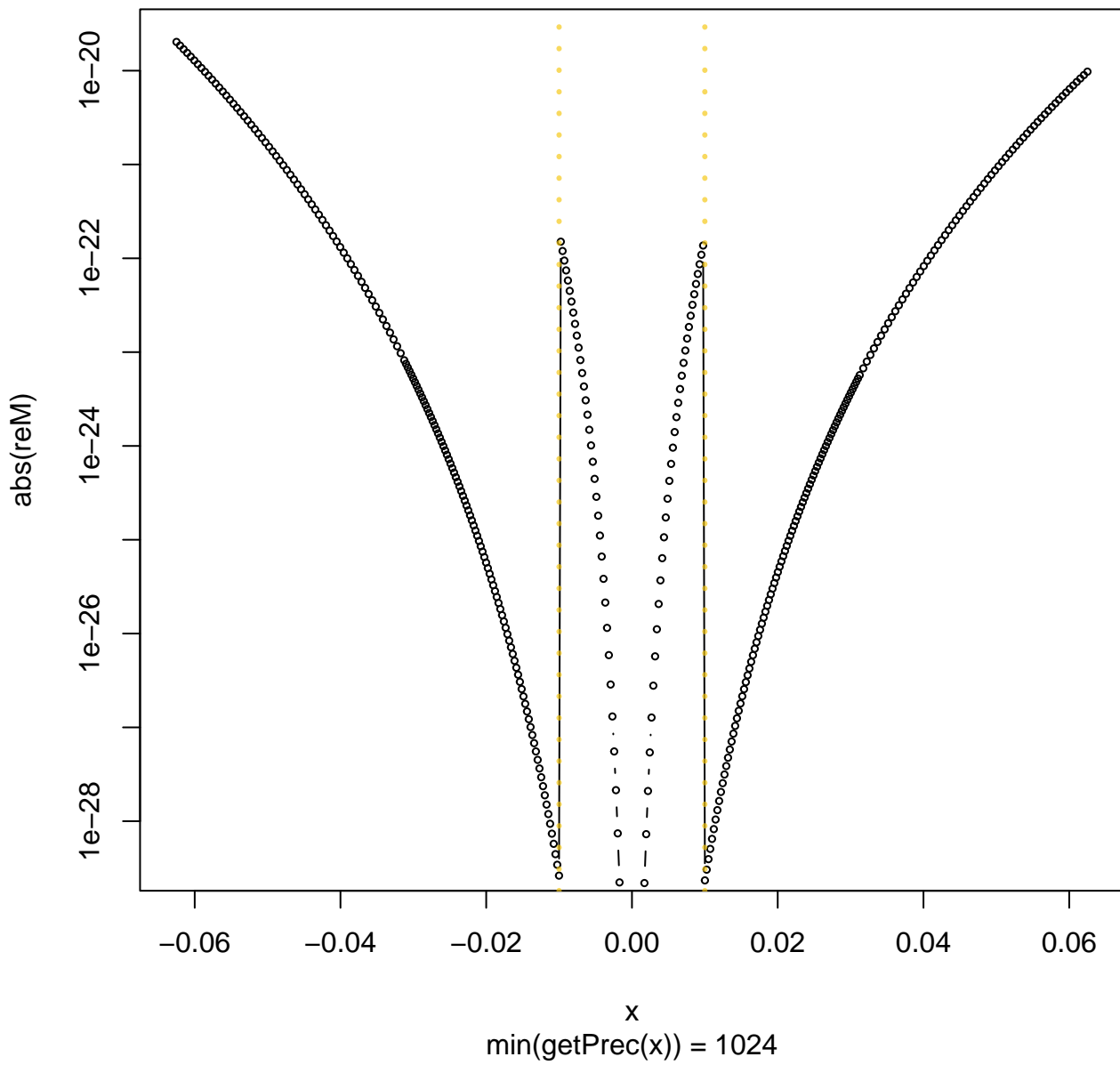




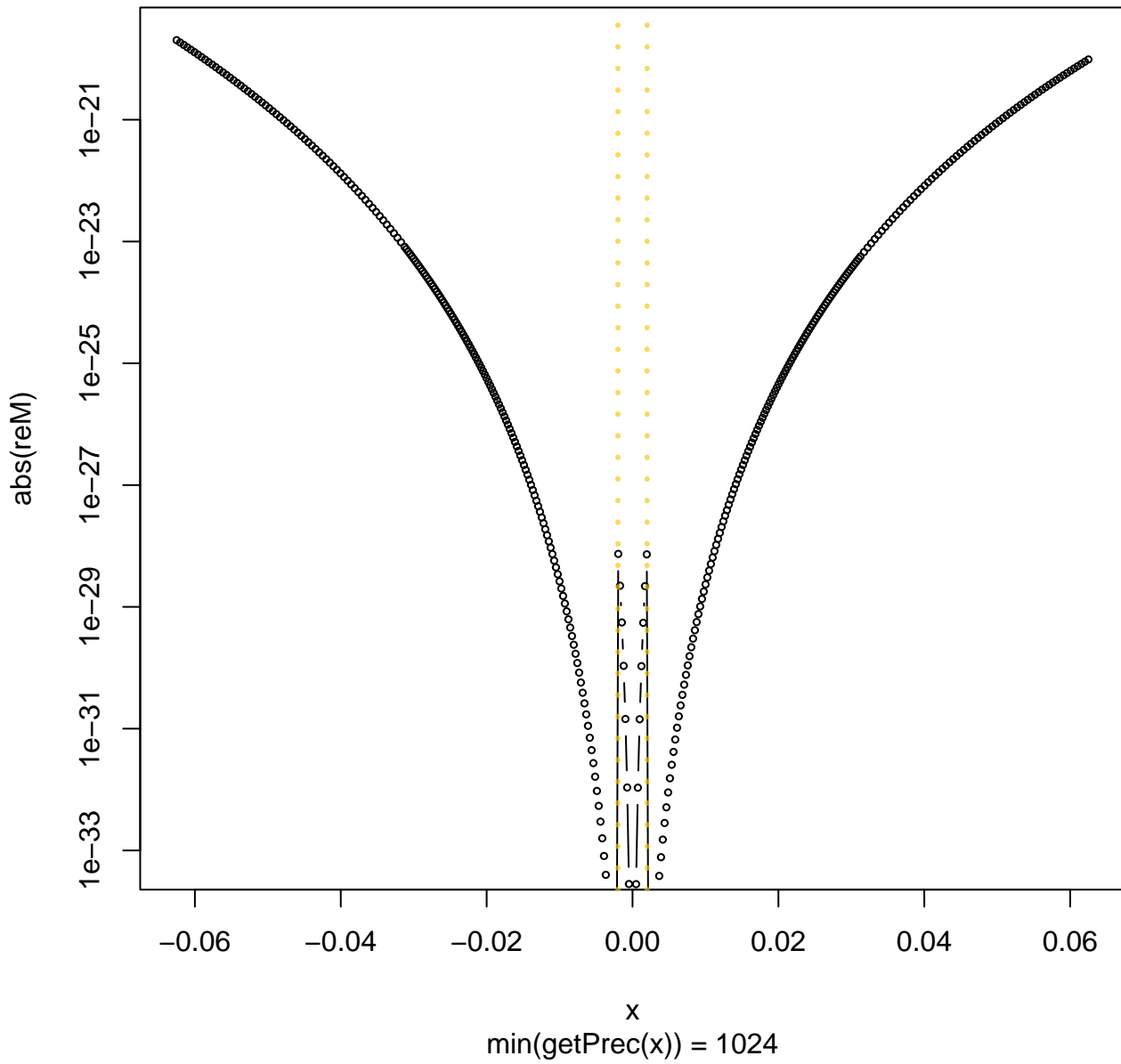
relative error of  $R \log_1 \text{pmx}(\text{eps}_2=0.00027, \text{tol\_logcf}=1\text{e-}17)$



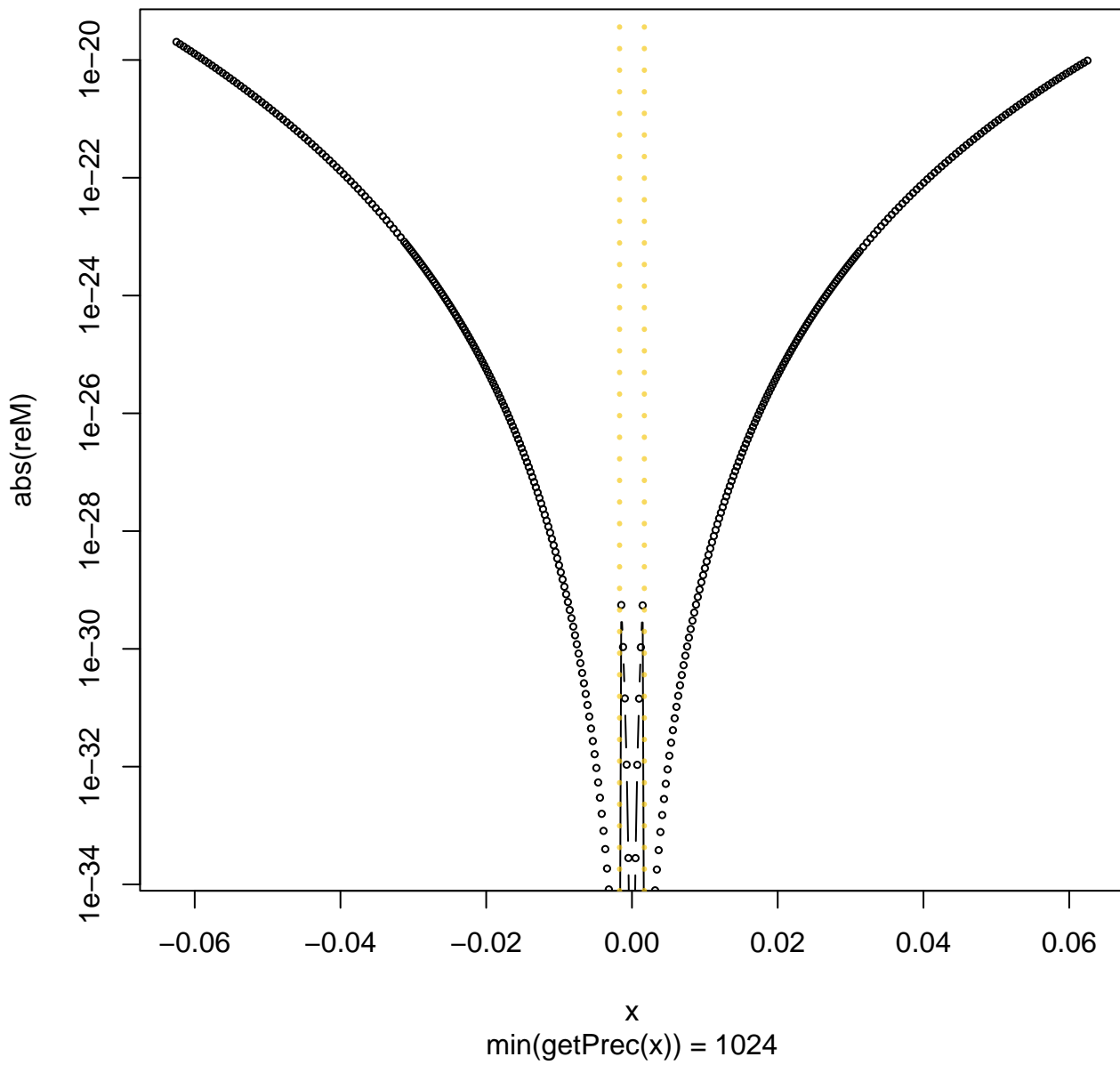
# relative error of $R \log_1 \text{pmx}(\text{eps}_2=0.01, \text{tol\_logcf}=1\text{e-}14)$



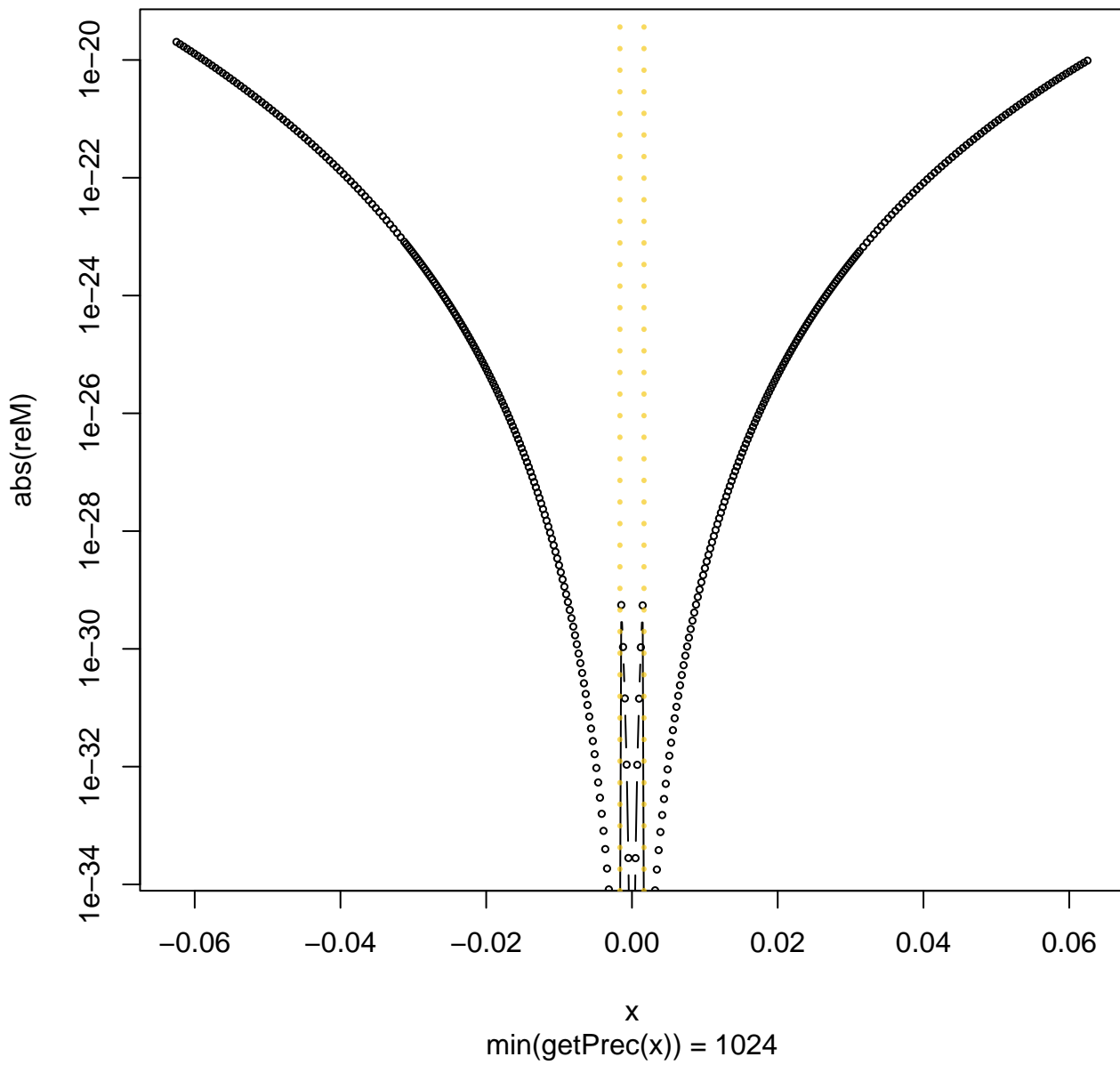
relative error of R log1pmx(eps2=0.002, tol\_logcf=1e-14)



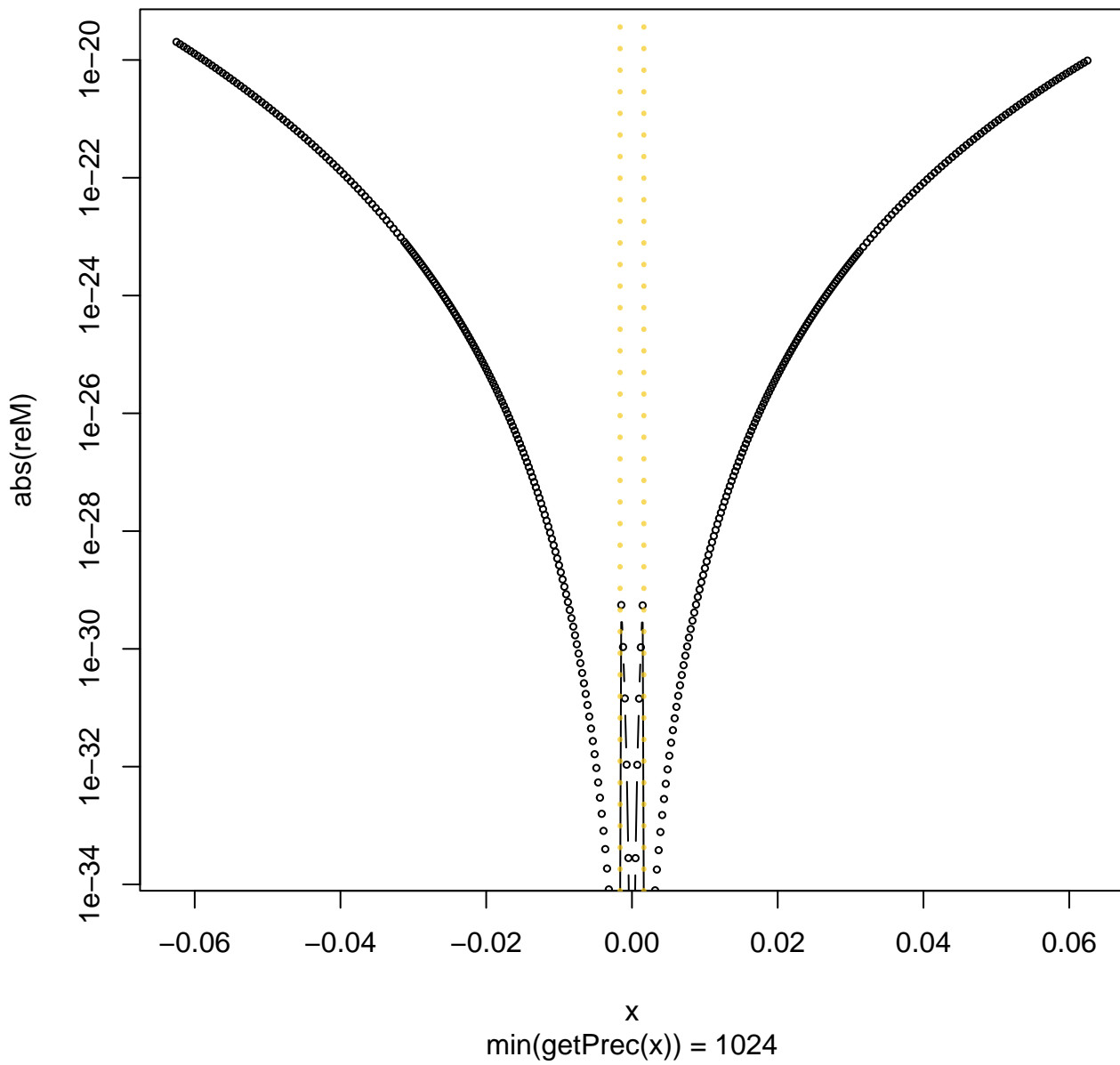
relative error of  $R \log_1 \text{pmx}(\text{eps}_2=0.0017, \text{tol}_{\log \text{cf}}=1\text{e-}14)$



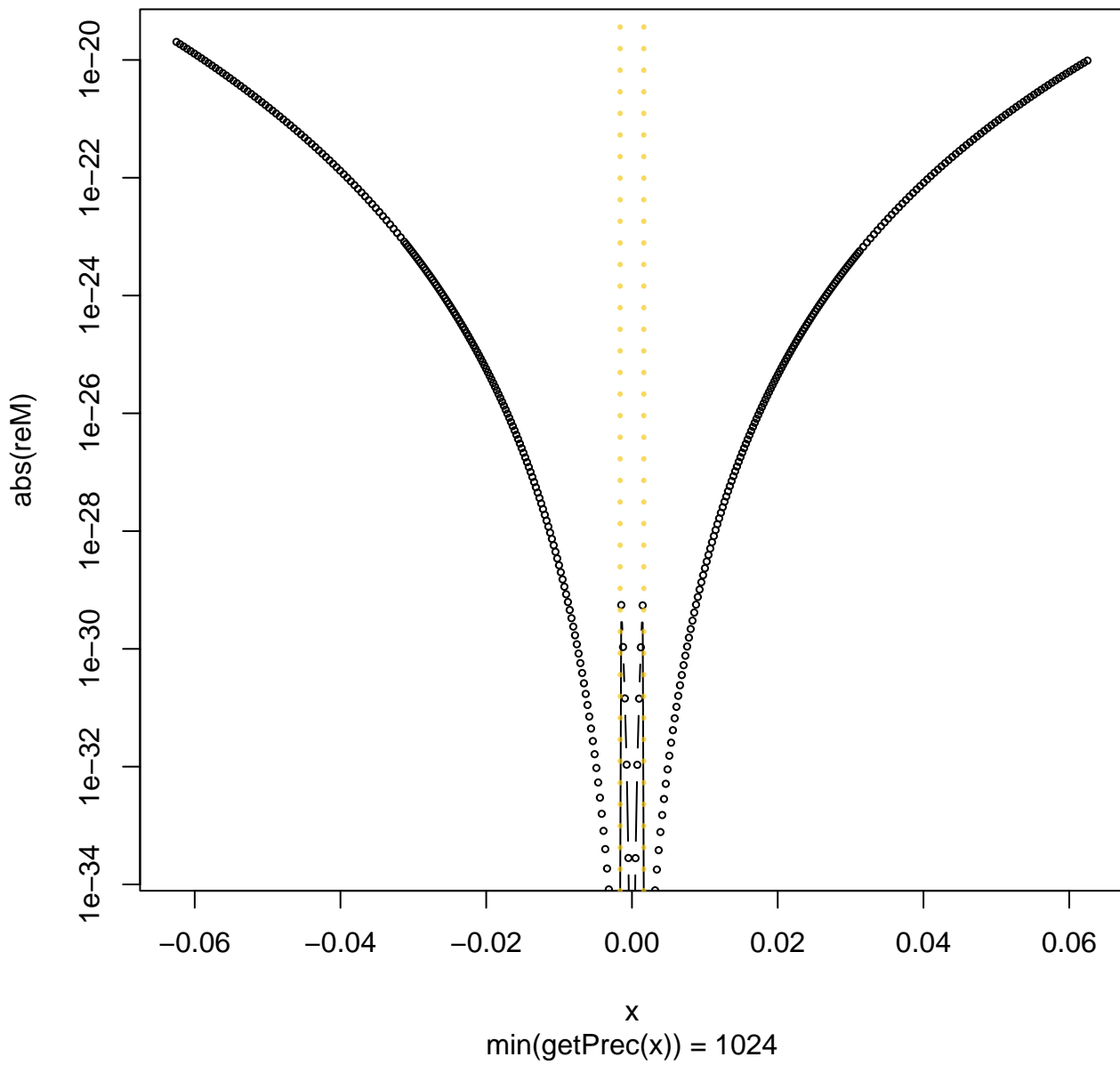
relative error of  $R \log_1 \text{pmx}(\text{eps}_2=0.00165, \text{tol\_logcf}=1e-14)$



relative error of  $R \log_1 \text{pmx}(\text{eps}_2=0.00163, \text{tol\_logcf}=1e-14)$



relative error of  $R \log_1 \text{pmx}(\text{eps}_2=0.00162, \text{tol\_logcf}=1e-14)$



relative error of  $R \log_1 \text{pmx}(\text{eps}_2=0.0016, \text{tol}_{\log \text{cf}}=1\text{e-}14)$

