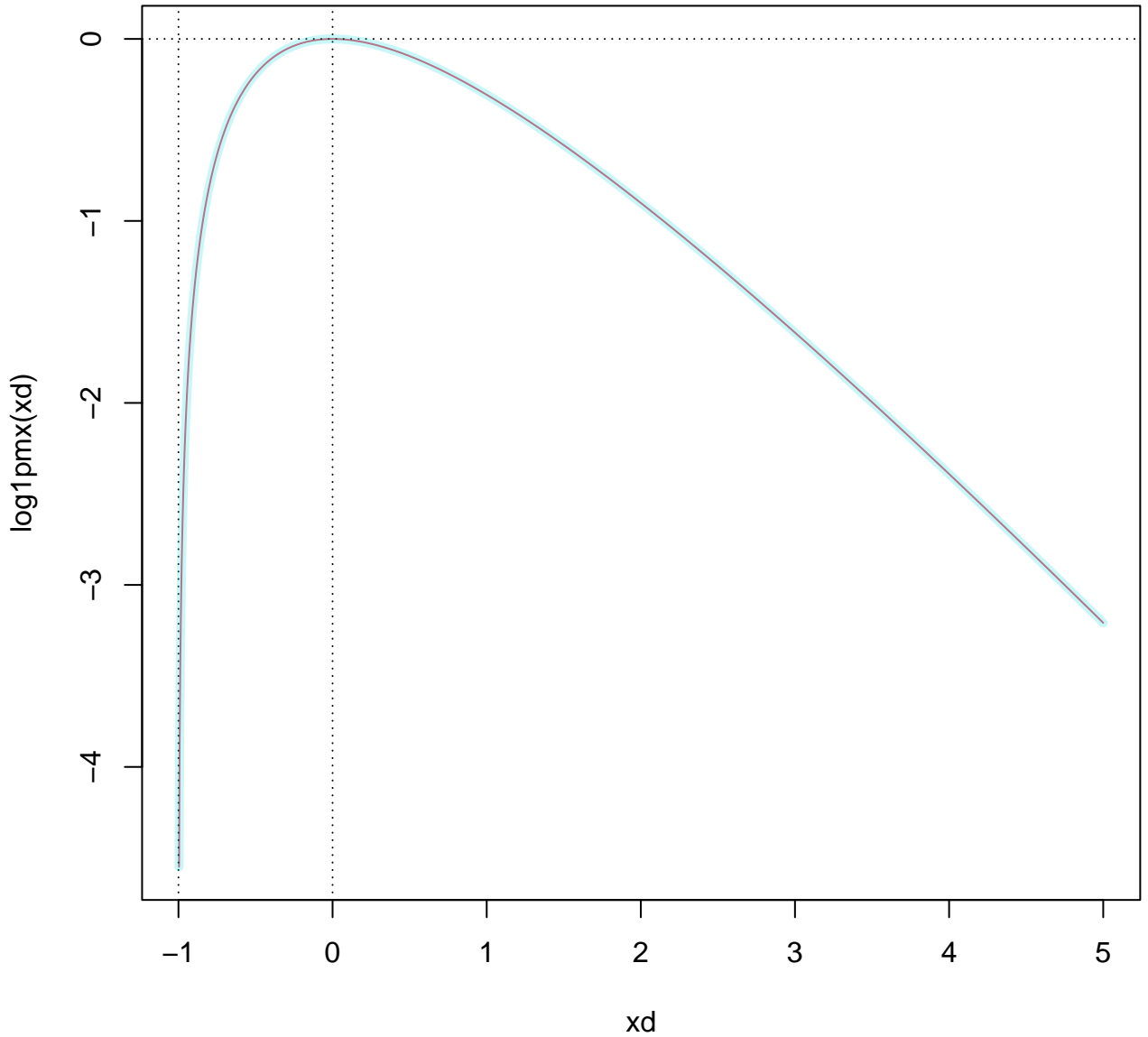
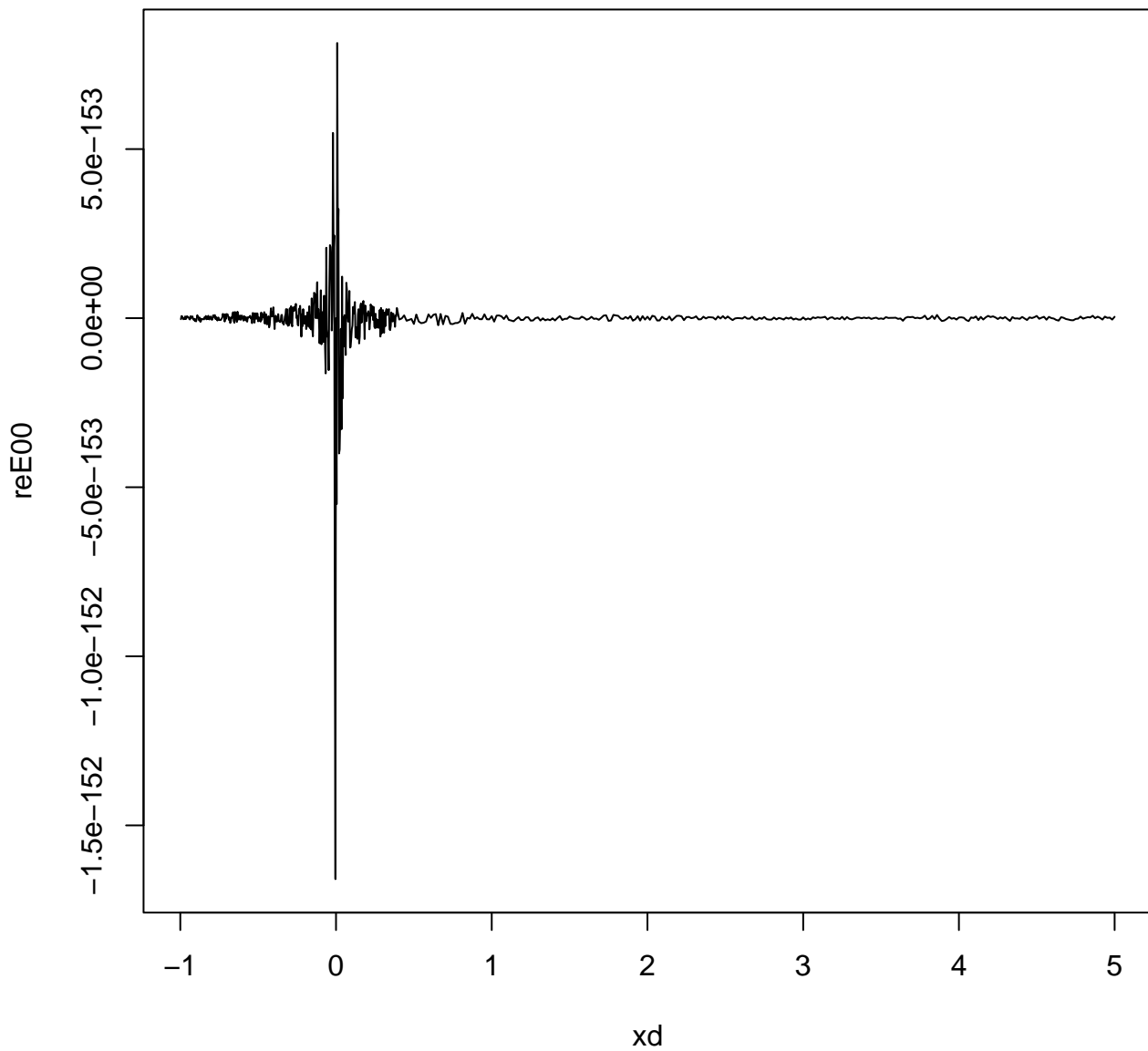
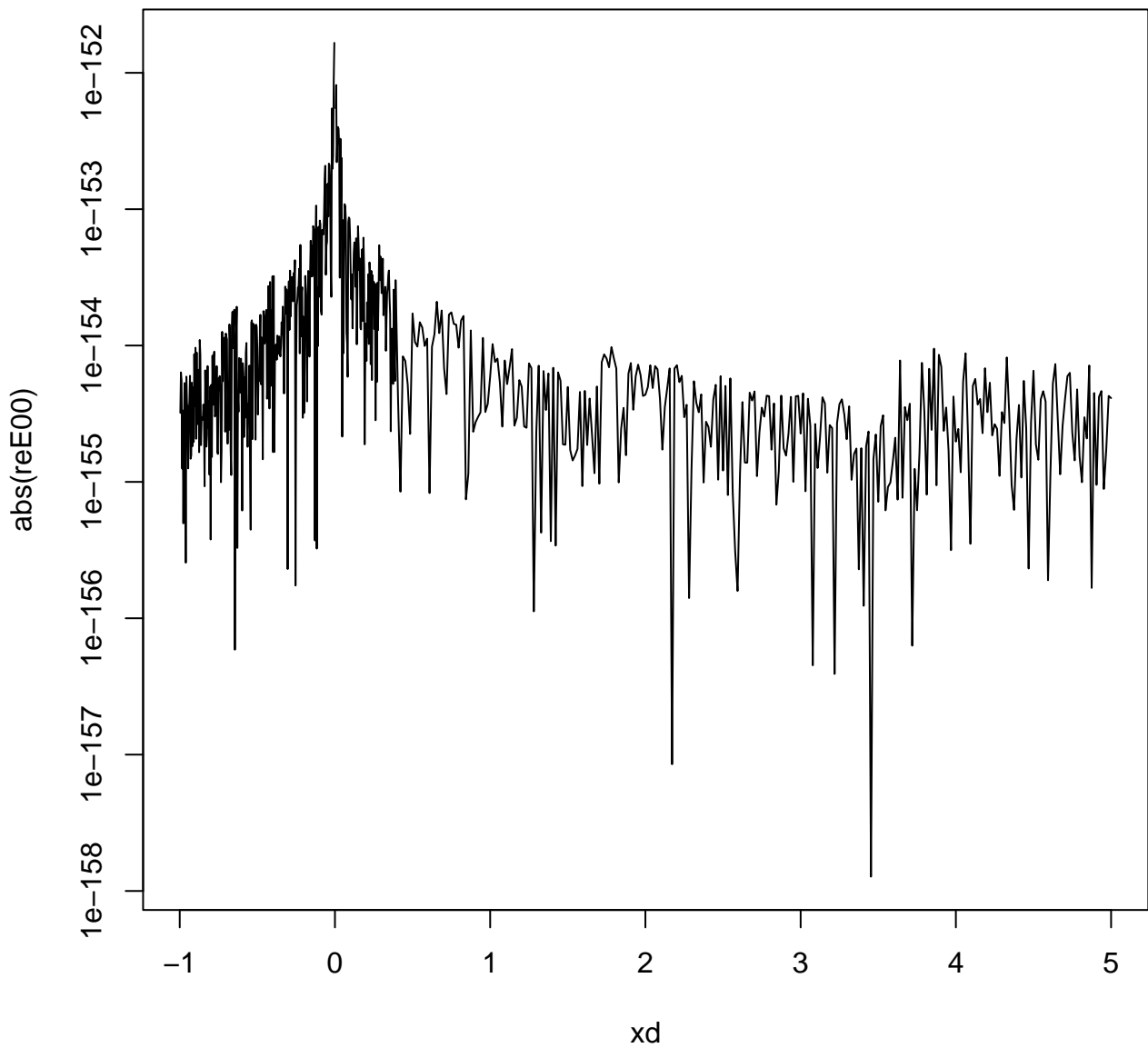
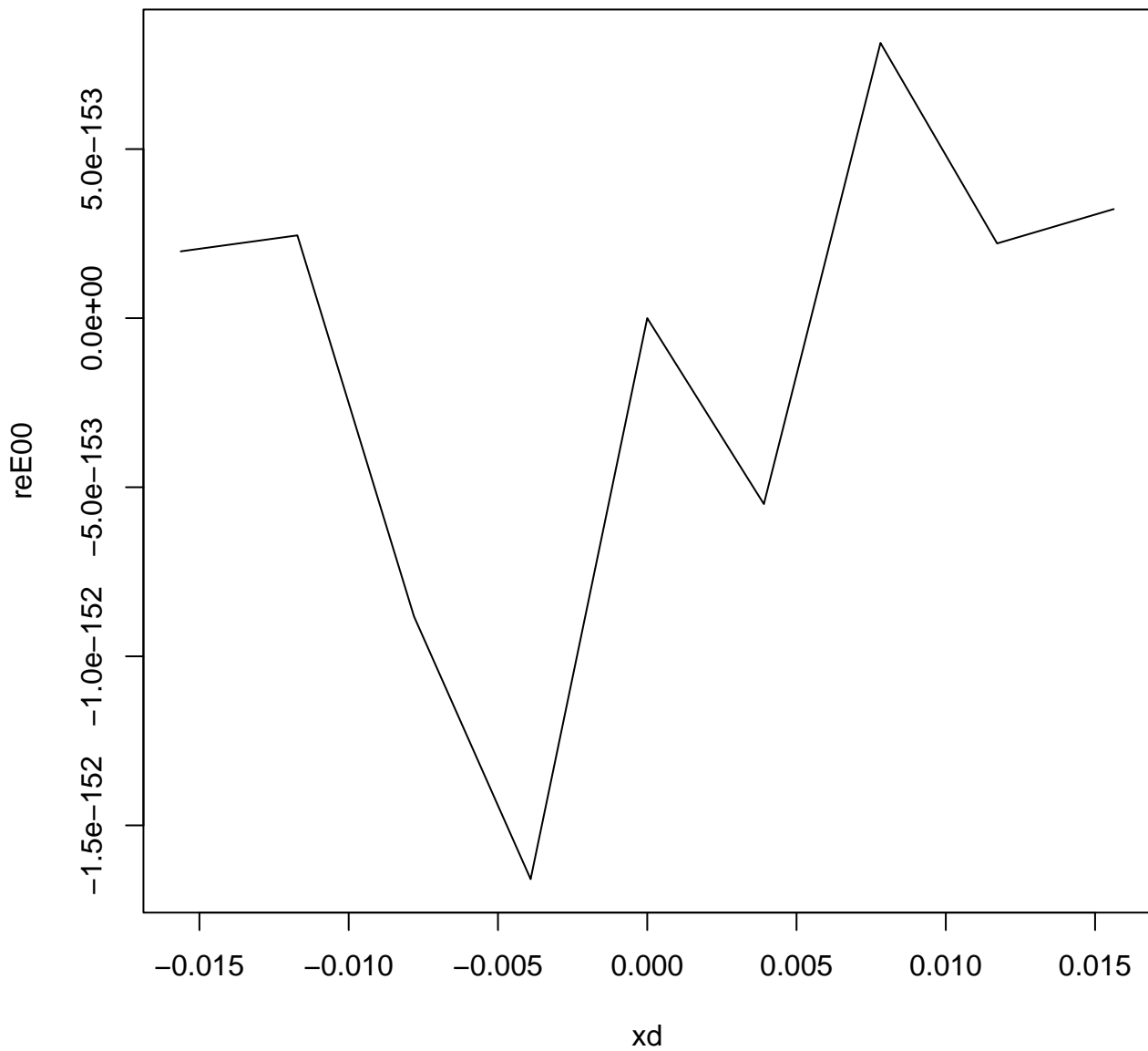


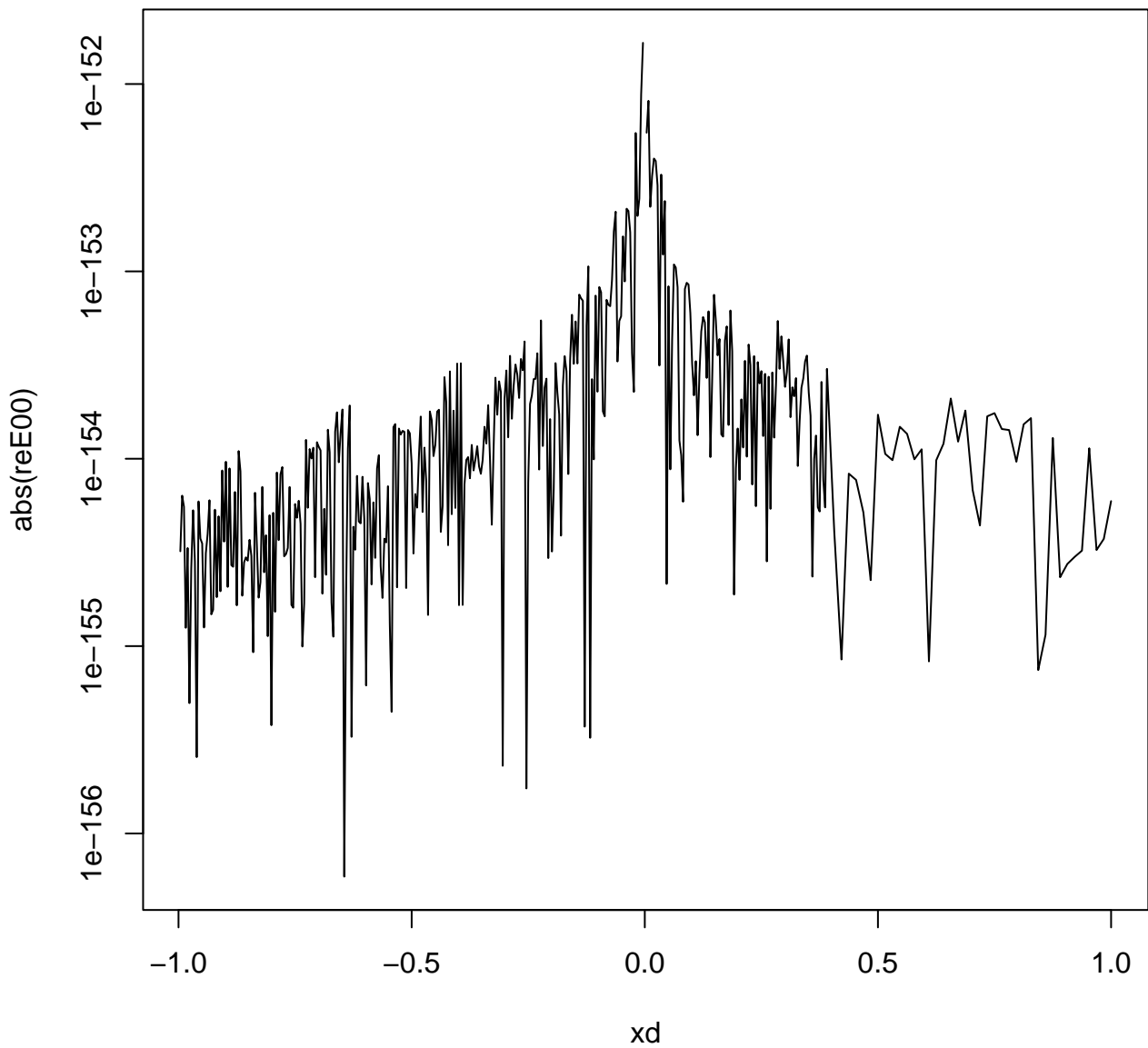
$\log_{10} p_{mx}(x)$



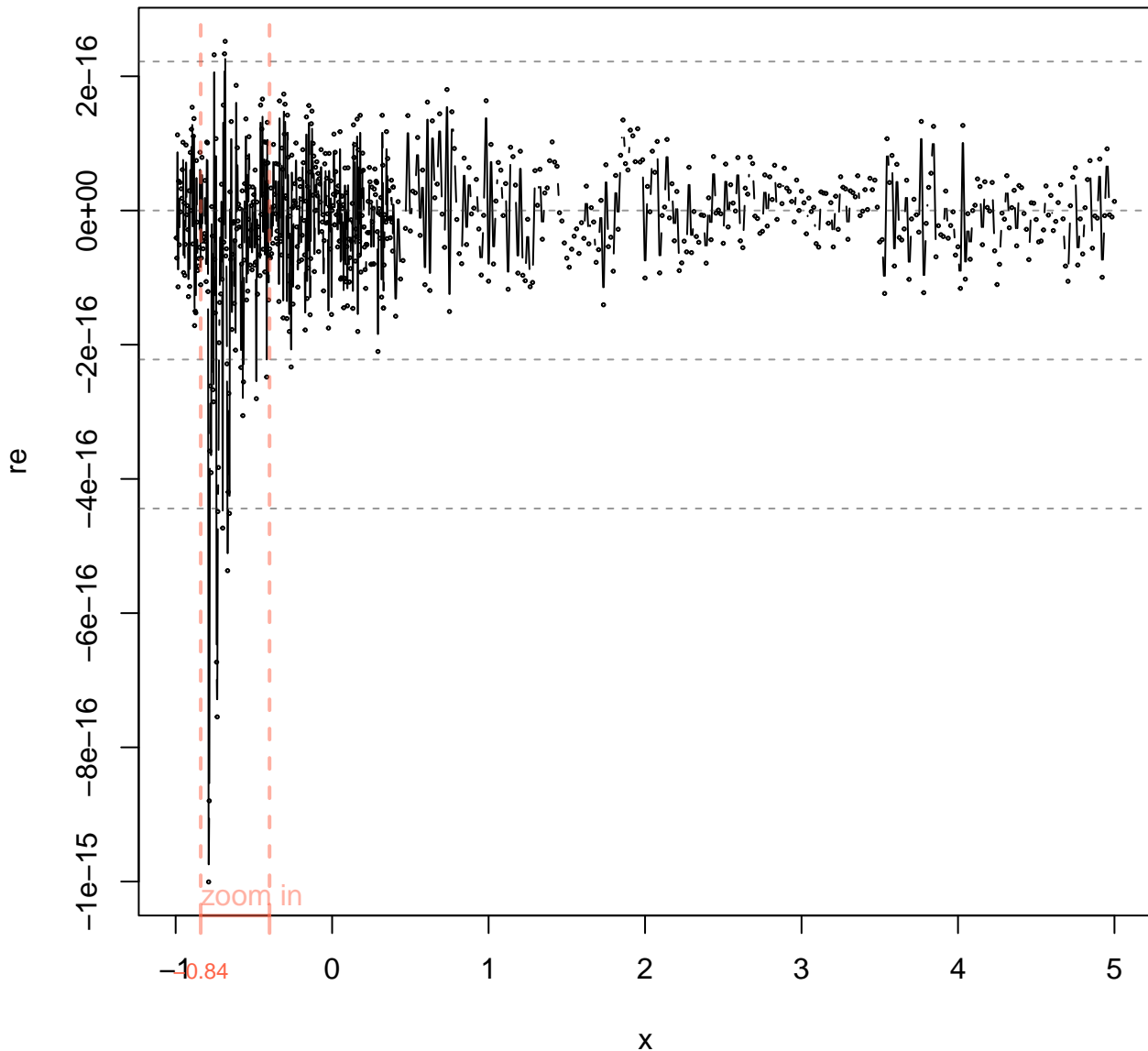




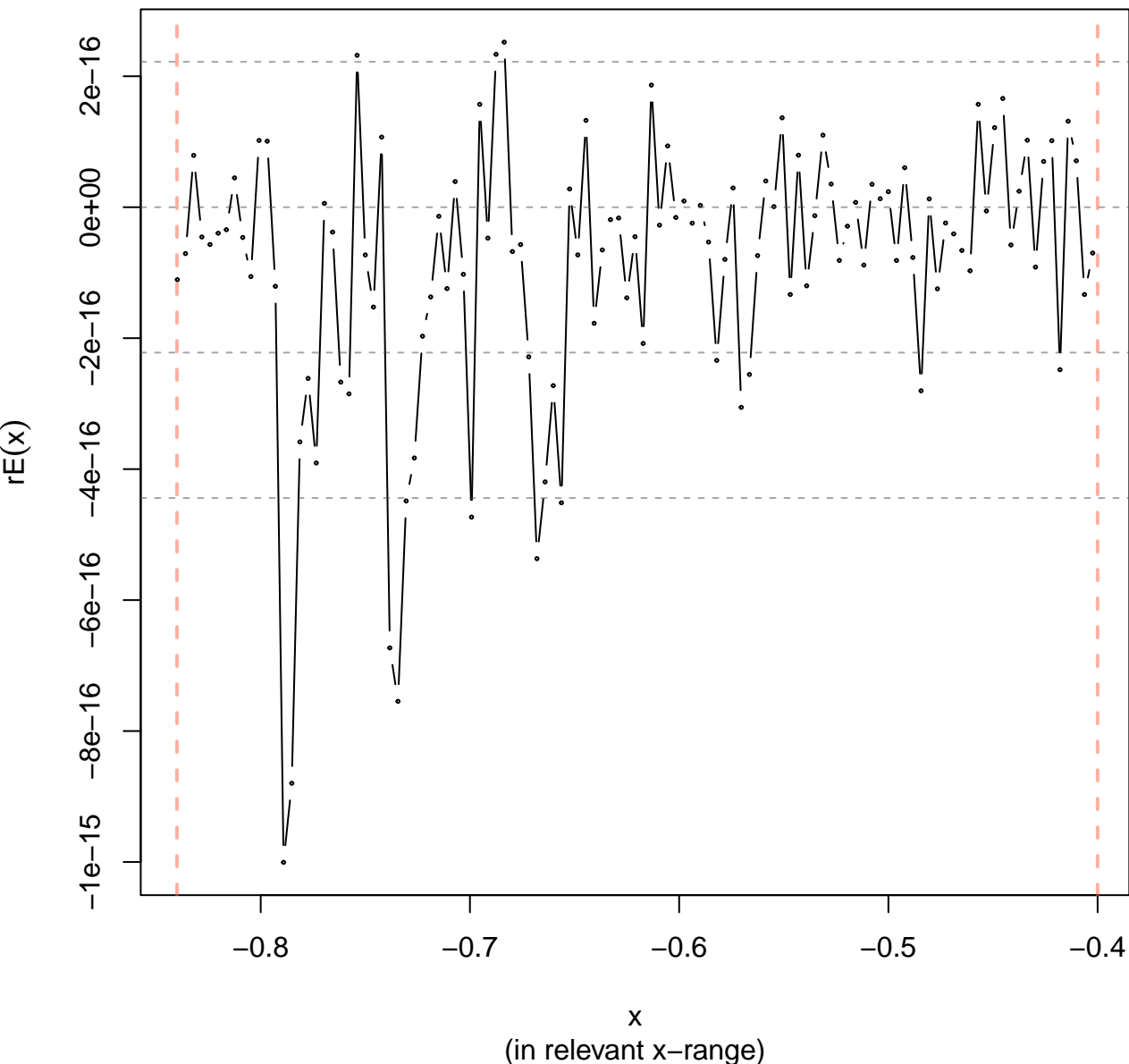




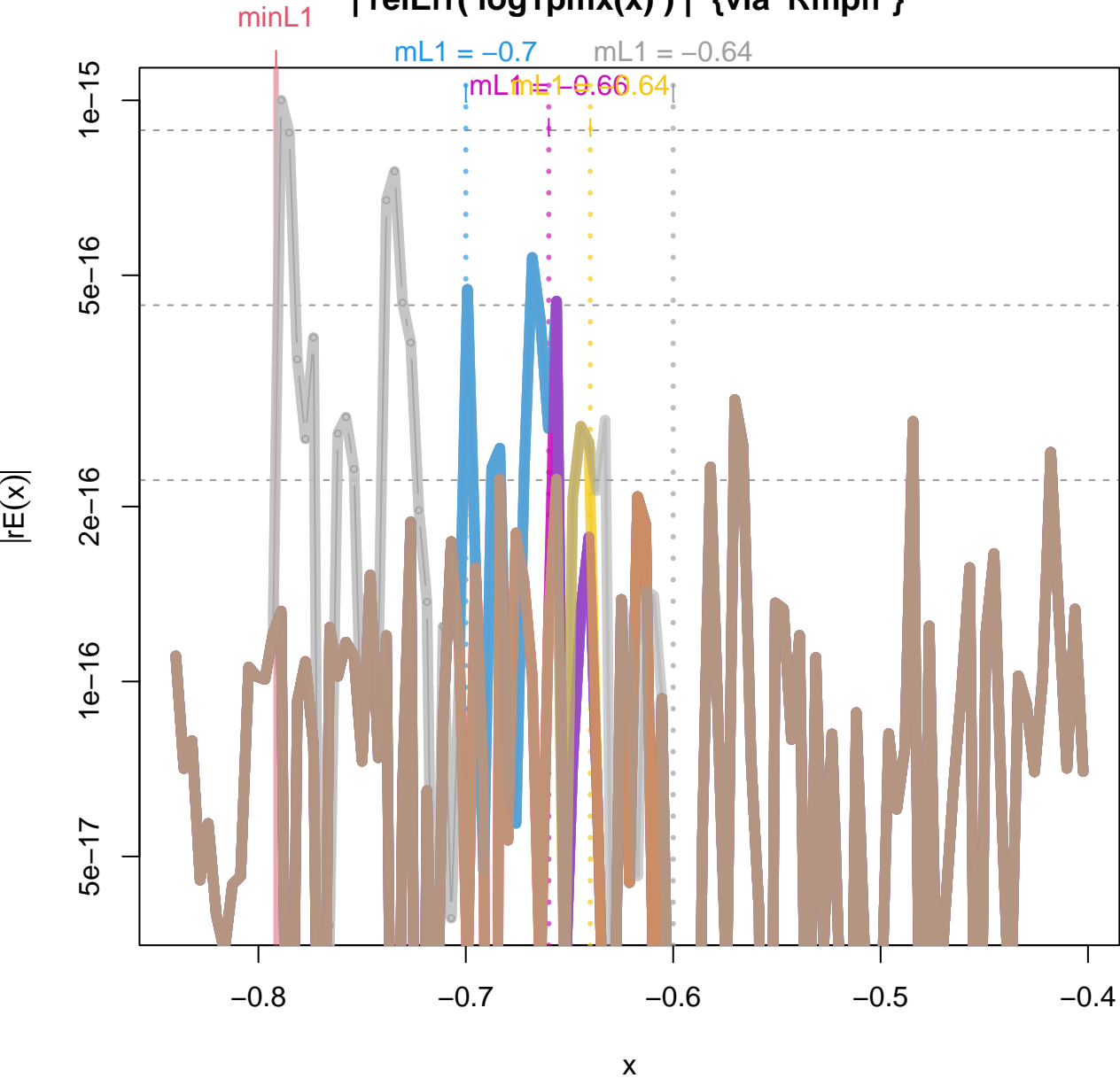
$\text{relErrV}(\log_1 p(x_M) - x_M, \log_1 p_{mx}(x)), x_M \leftarrow \text{mpfr}(x, 2048)$



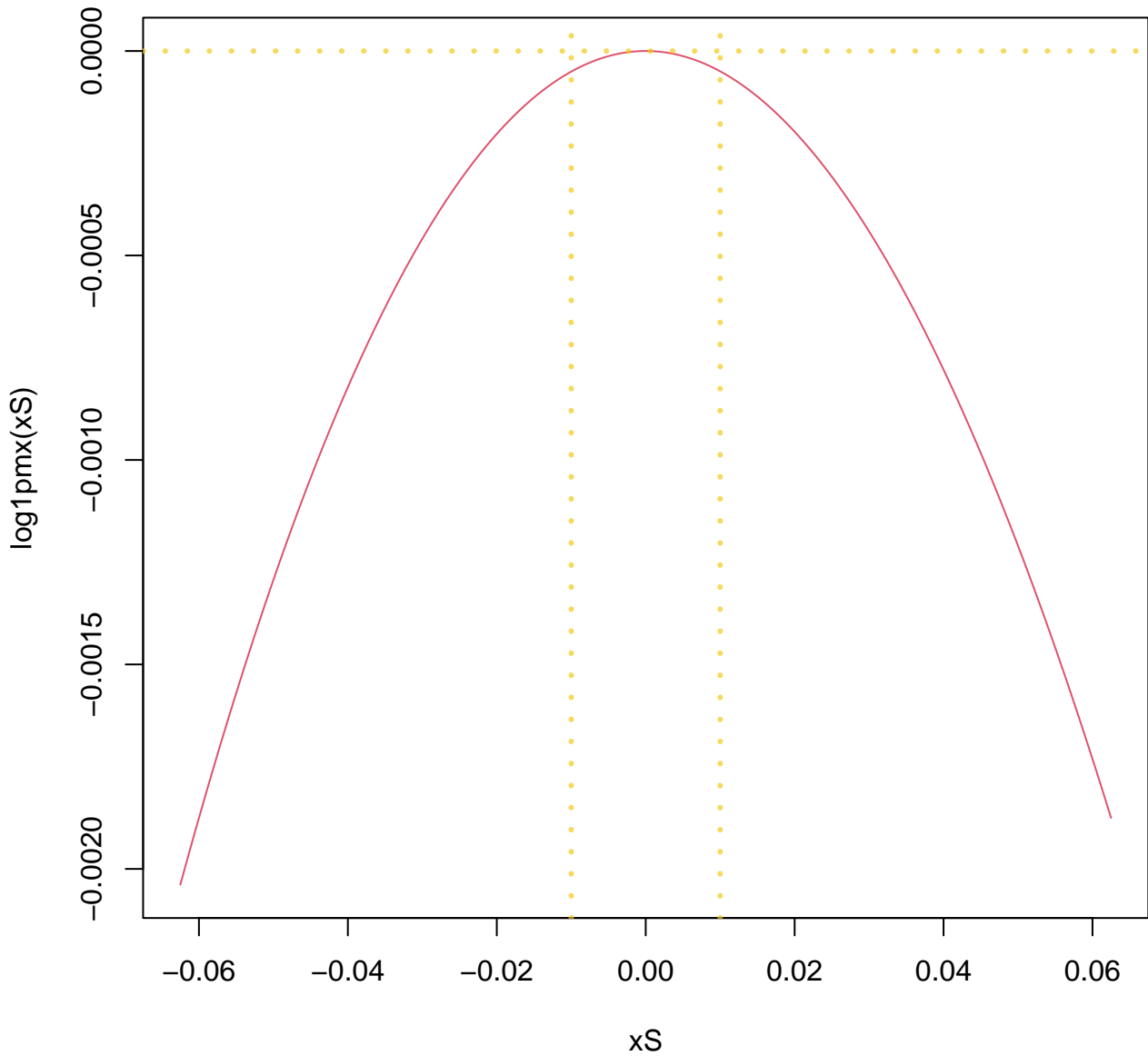
rel.Error of log1pmx(x)



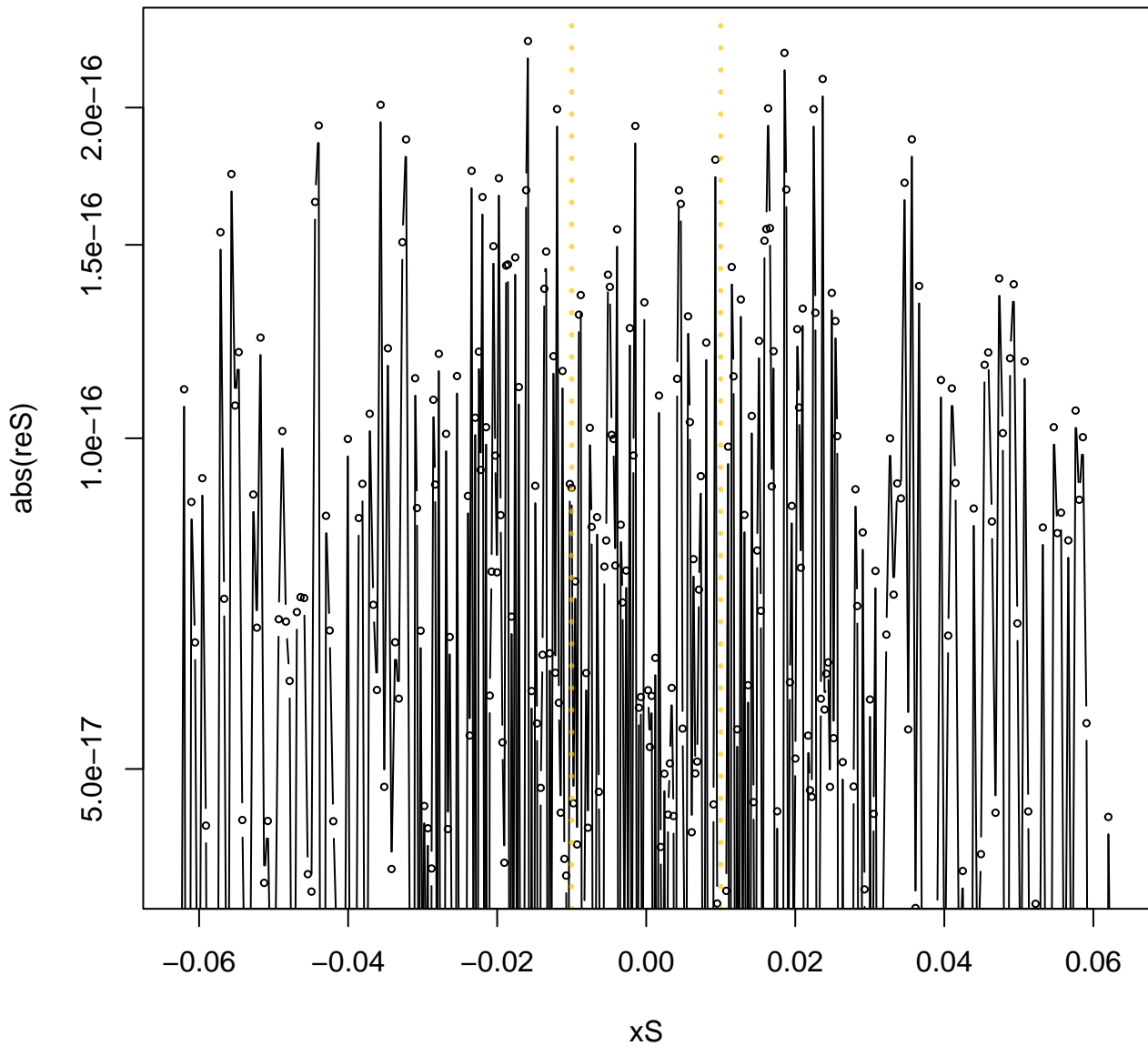
| relErr(log1pmx(x)) | {via 'Rmpfr'}



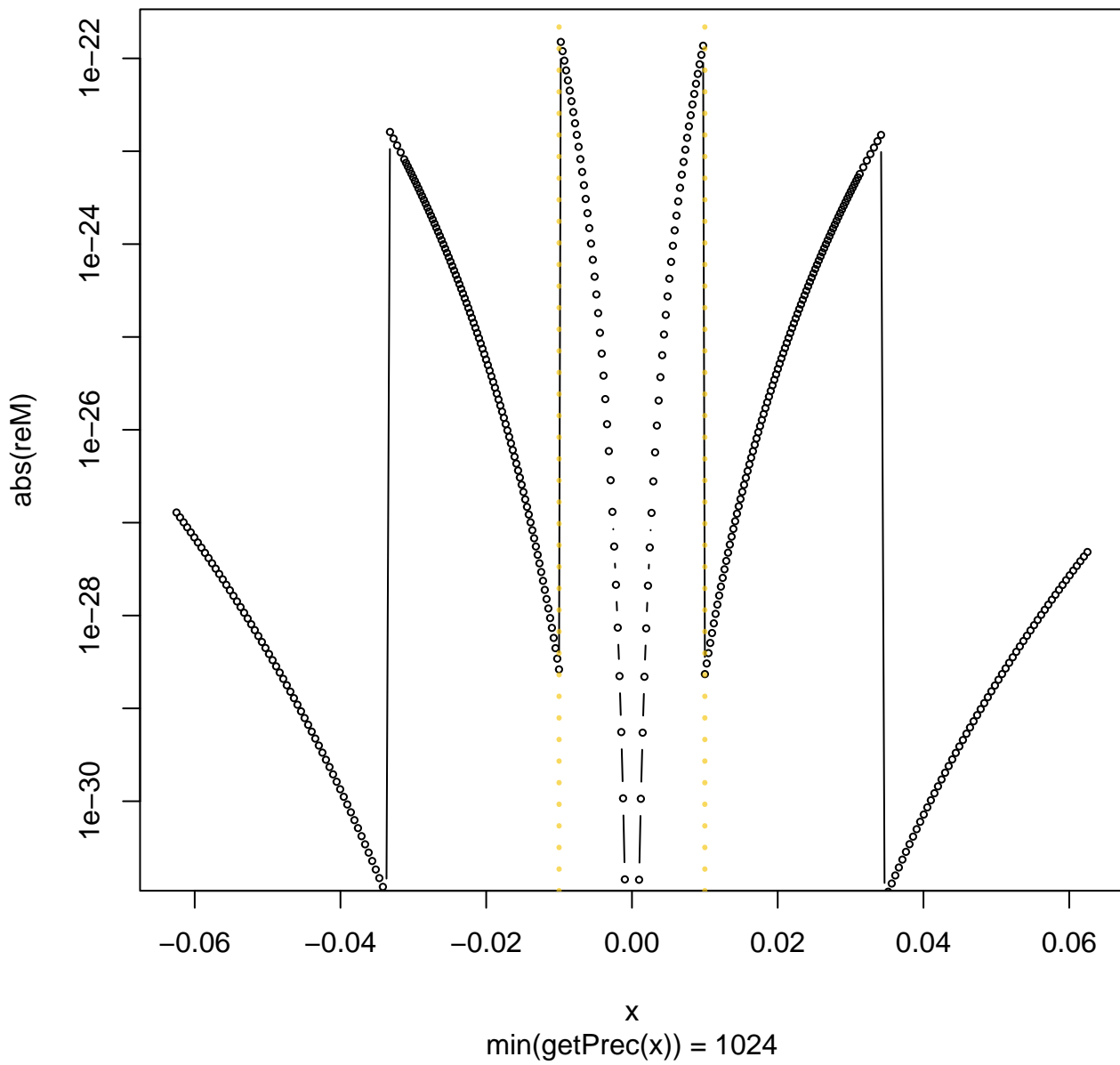
log1pmx(x)



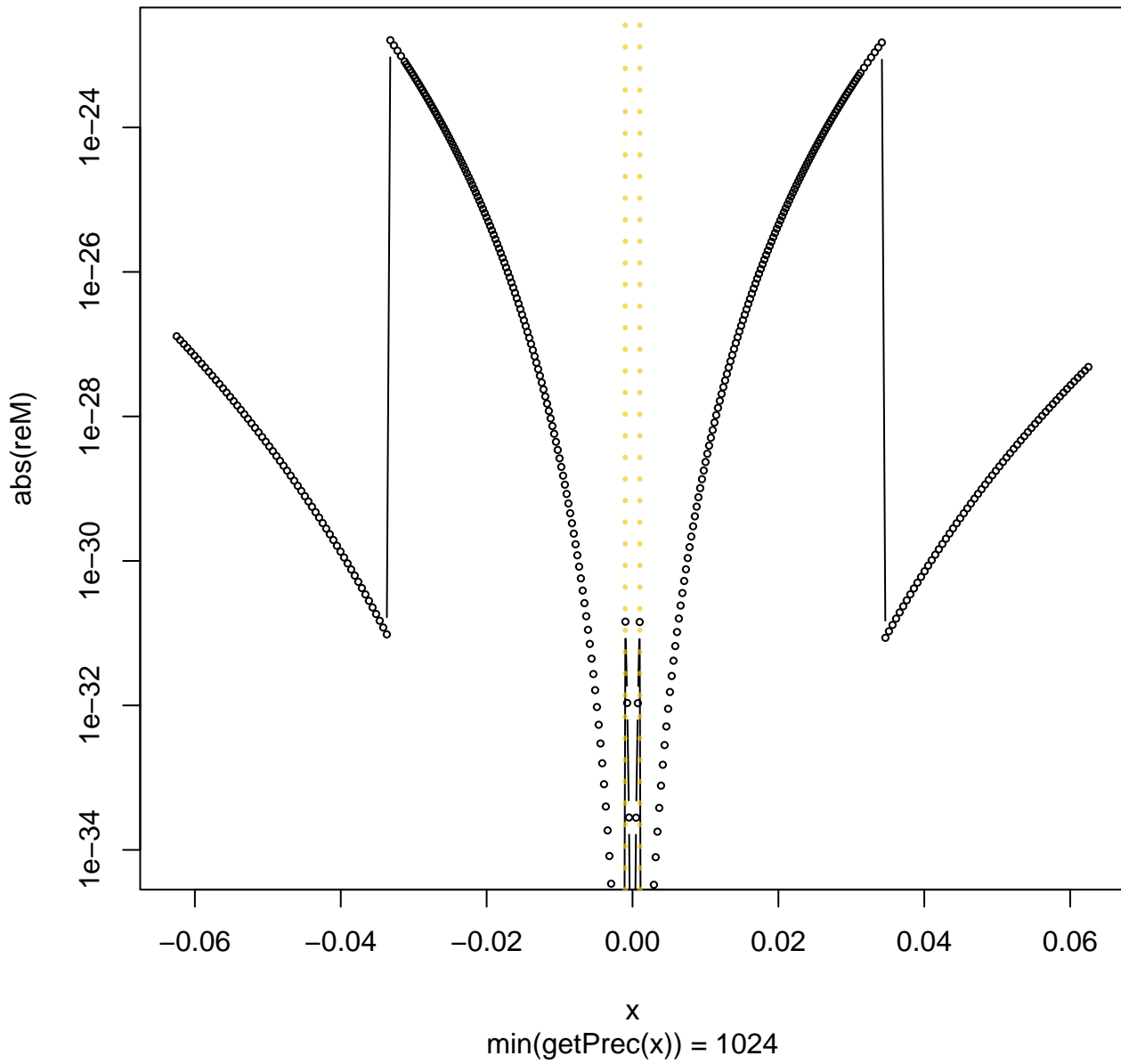
| relErr(log1pmx(<small x>)) | {via 'Rmpfr'}



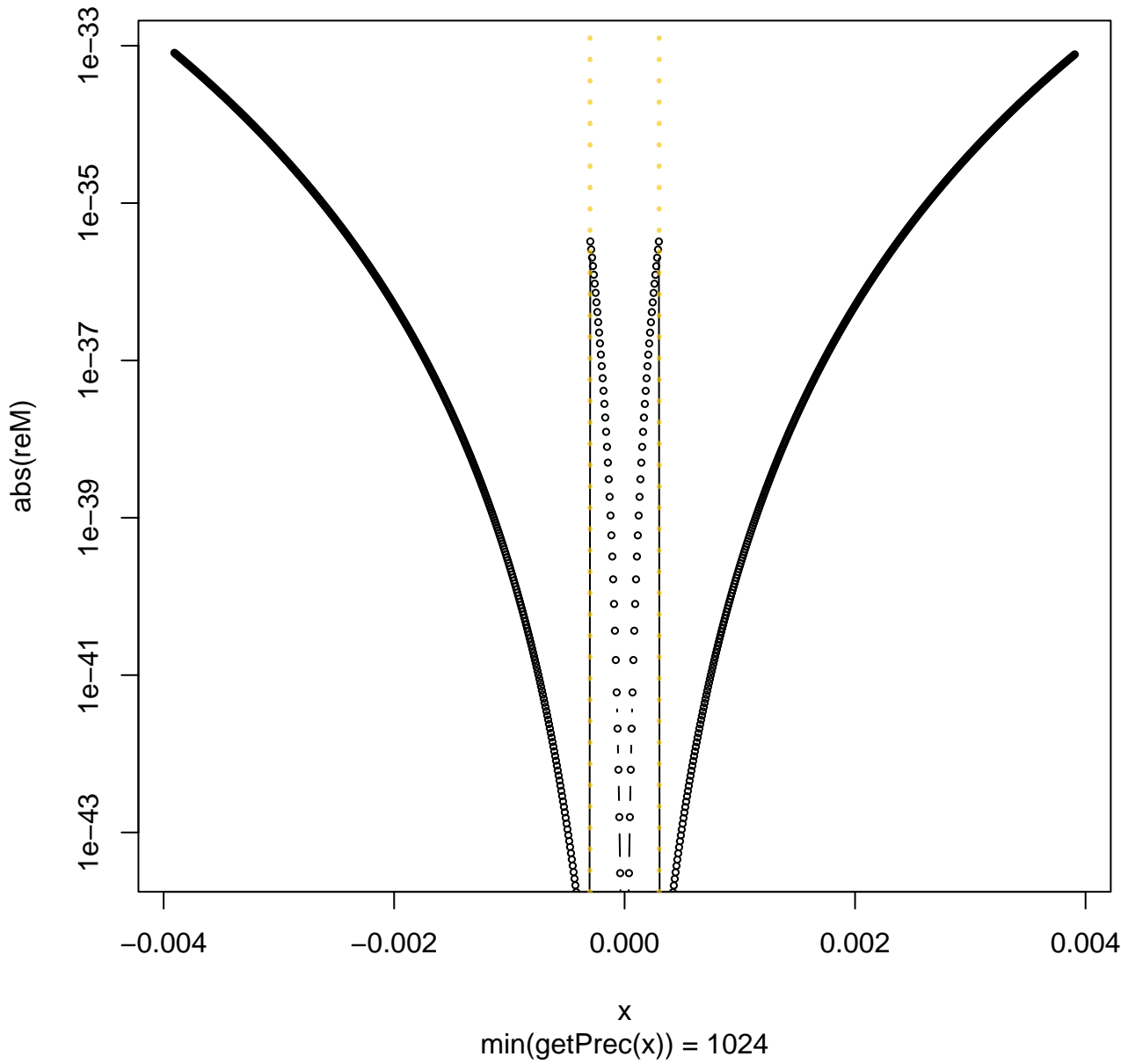
relative error of $R \log_1 \text{pmx}(\text{eps}_2=0.01, \text{tol_logcf}=1\text{e-}17)$



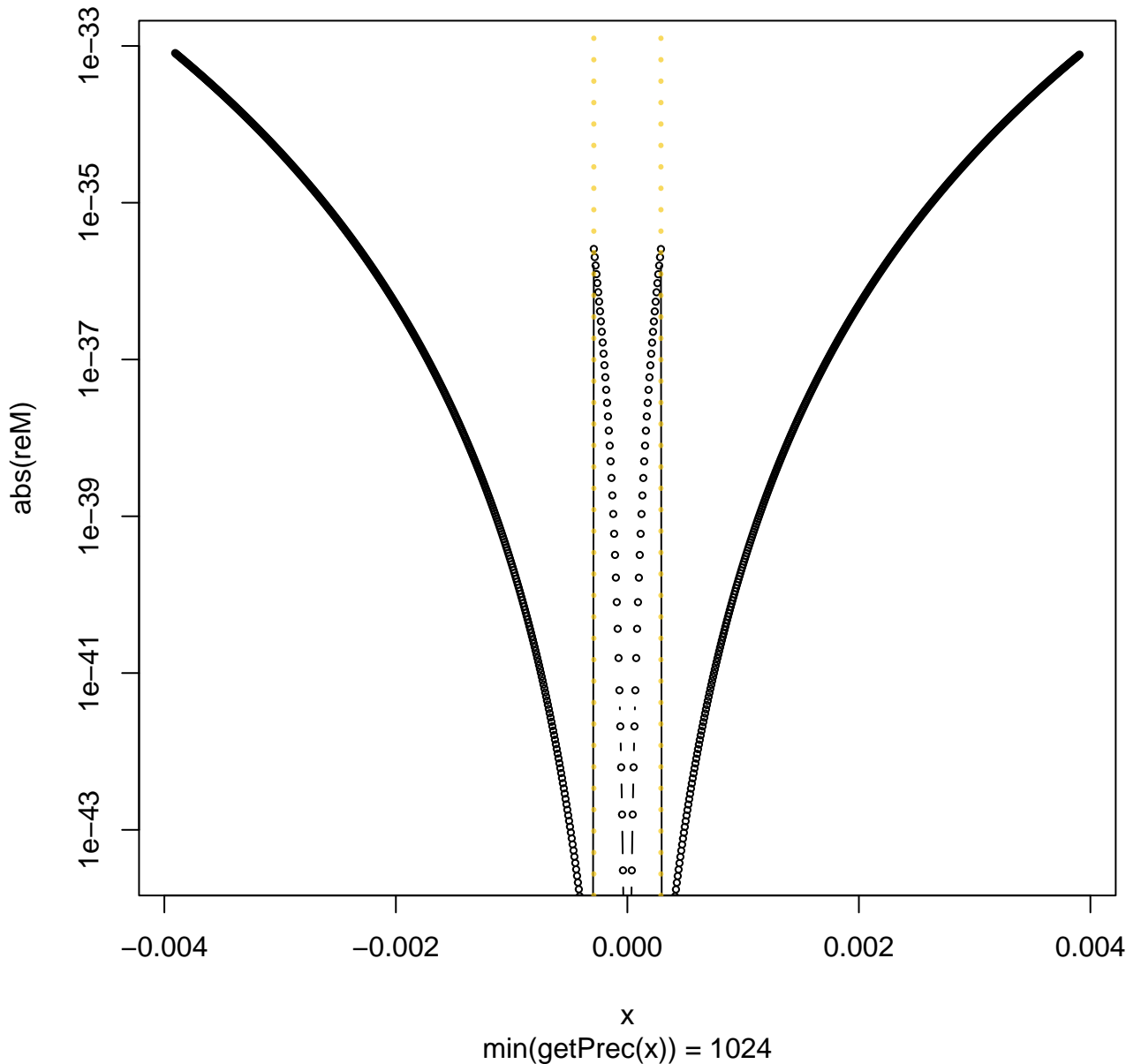
relative error of R log1pmx(eps2=0.001, tol_logcf=1e-17)



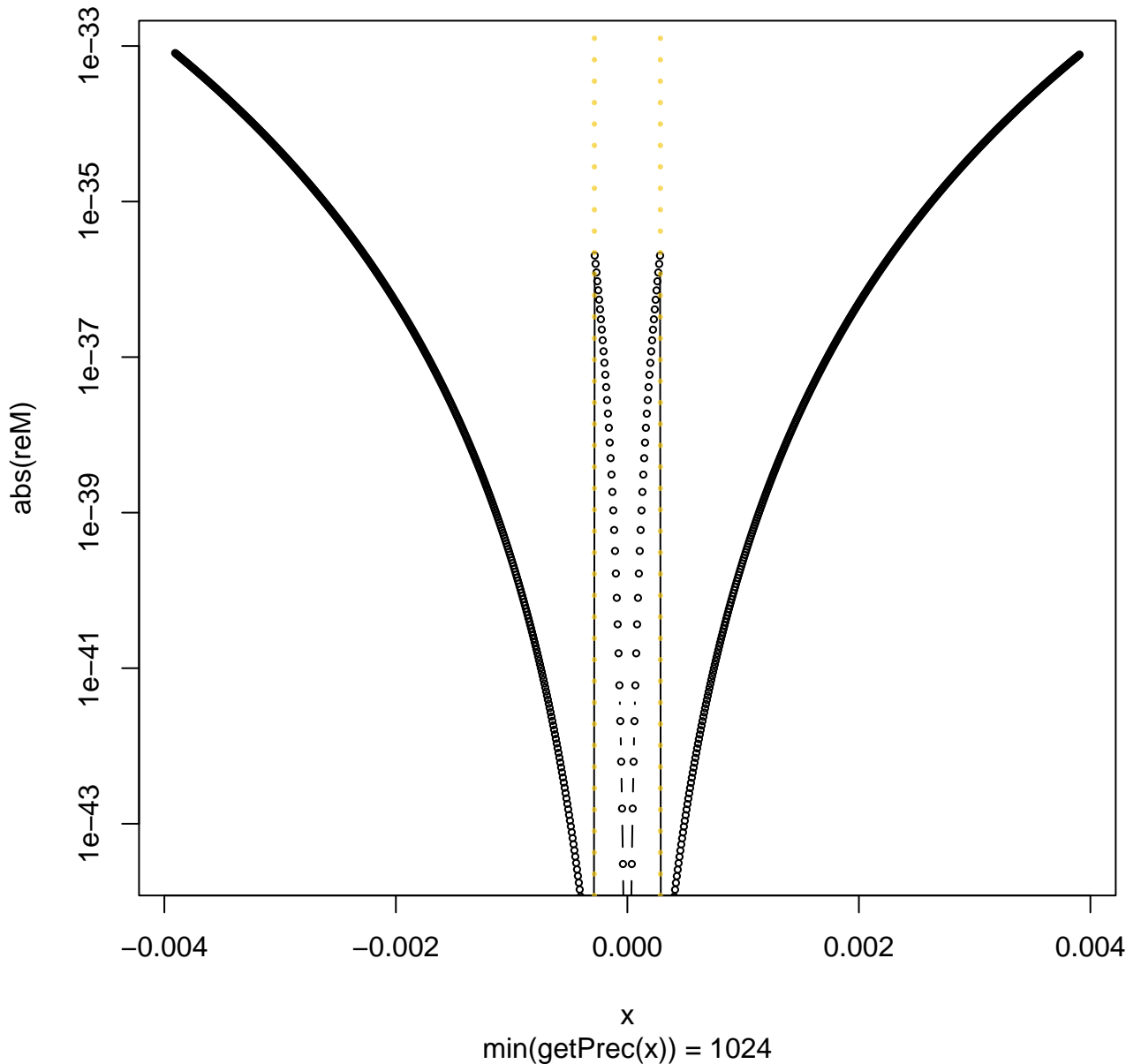
relative error of $R \log_1 \text{pmx}(\text{eps}_2=0.0003, \text{tol}_{\log \text{cf}}=1e-17)$



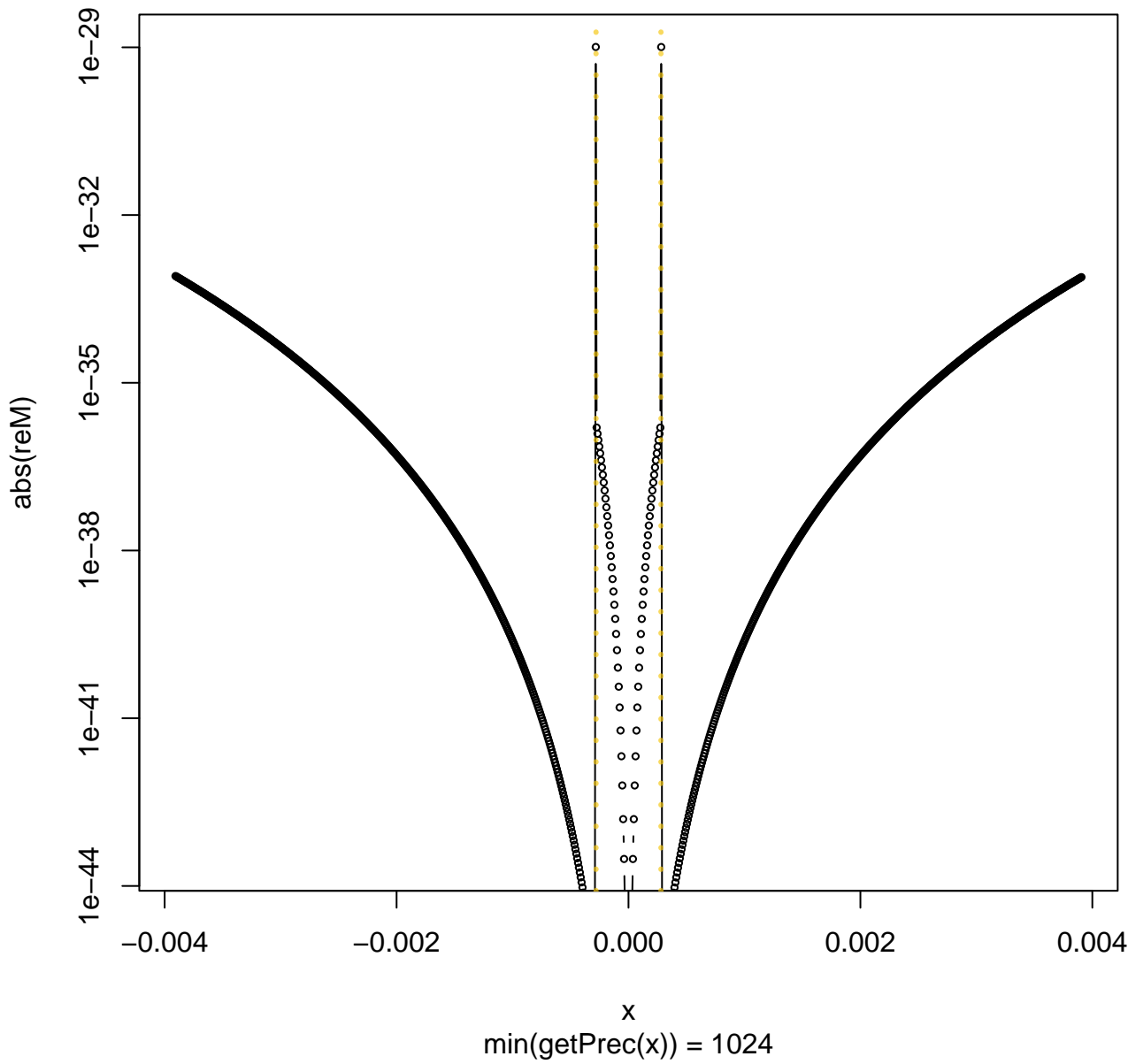
relative error of $R \log_1 \text{pmx}(\text{eps}_2=0.00029, \text{tol_logcf}=1\text{e-}17)$



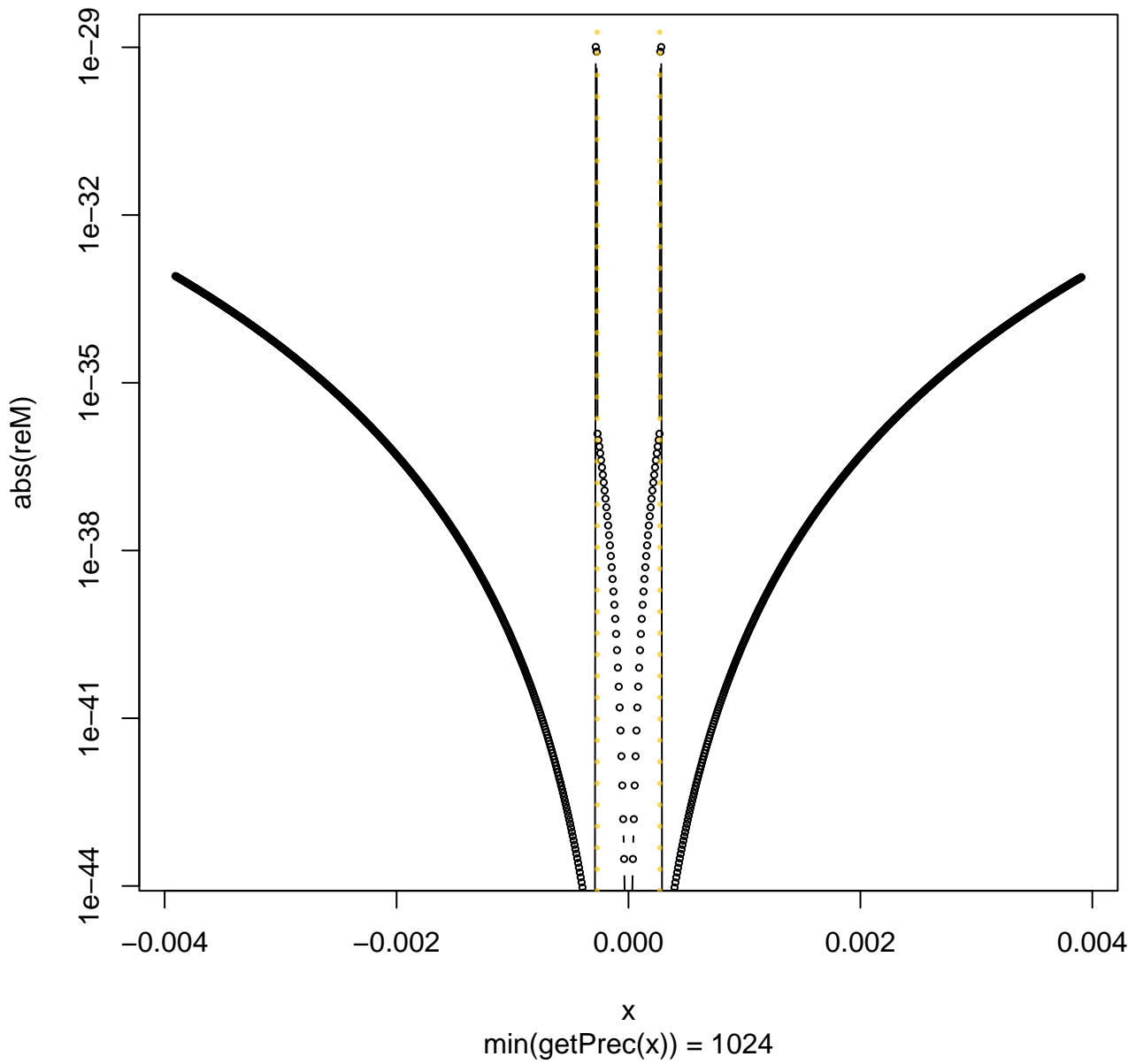
relative error of R log1pmx(eps2=0.000285, tol_logcf=1e-17)



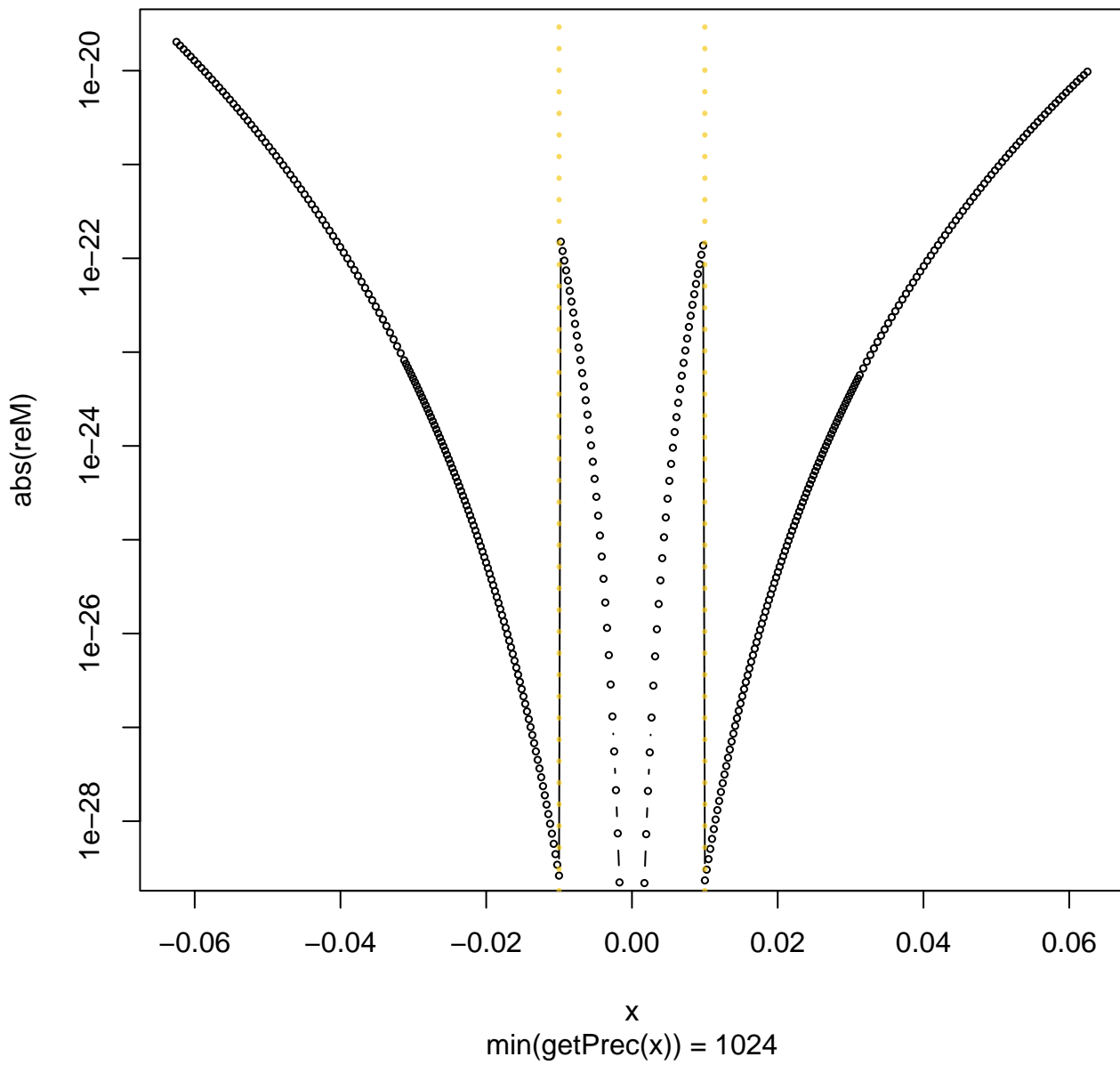
relative error of $R \log_1 \text{pmx}(\text{eps}_2=0.00028, \text{tol_logcf}=1\text{e-}17)$



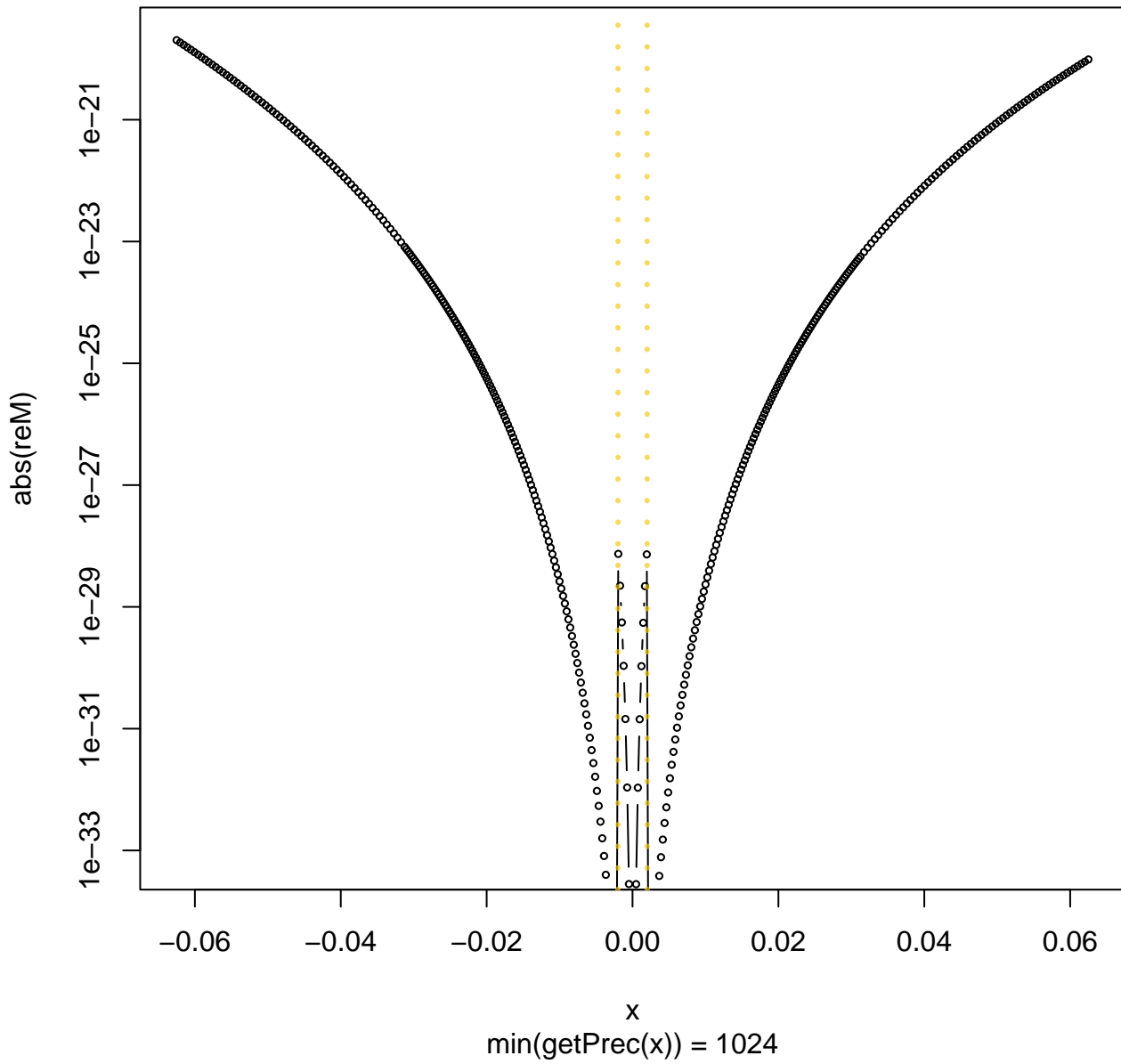
relative error of $R \log_1 \text{pmx}(\text{eps}_2=0.00027, \text{tol_logcf}=1\text{e-}17)$



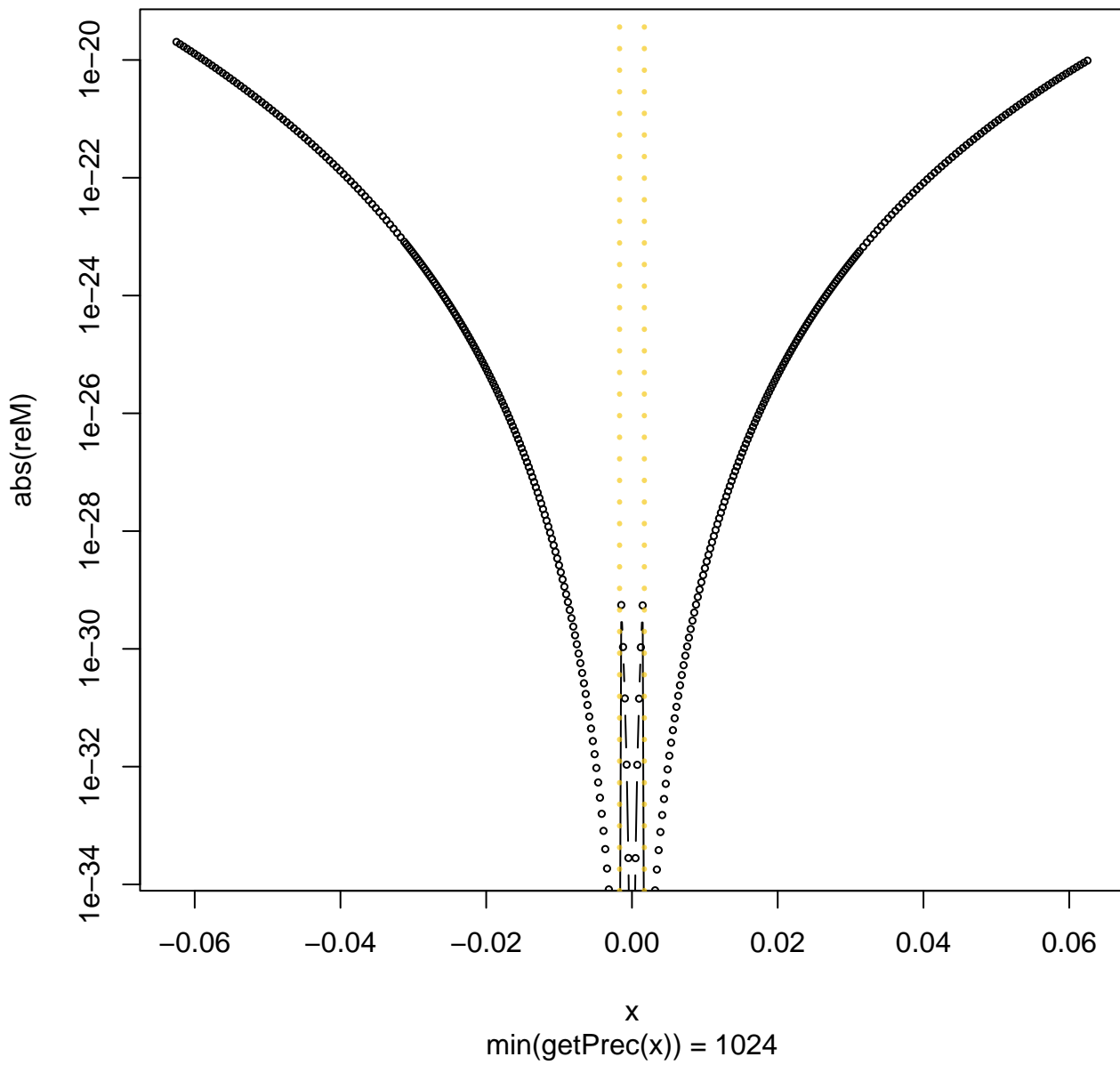
relative error of $R \log_1 \text{pmx}(\text{eps}_2=0.01, \text{tol_logcf}=1\text{e-}14)$



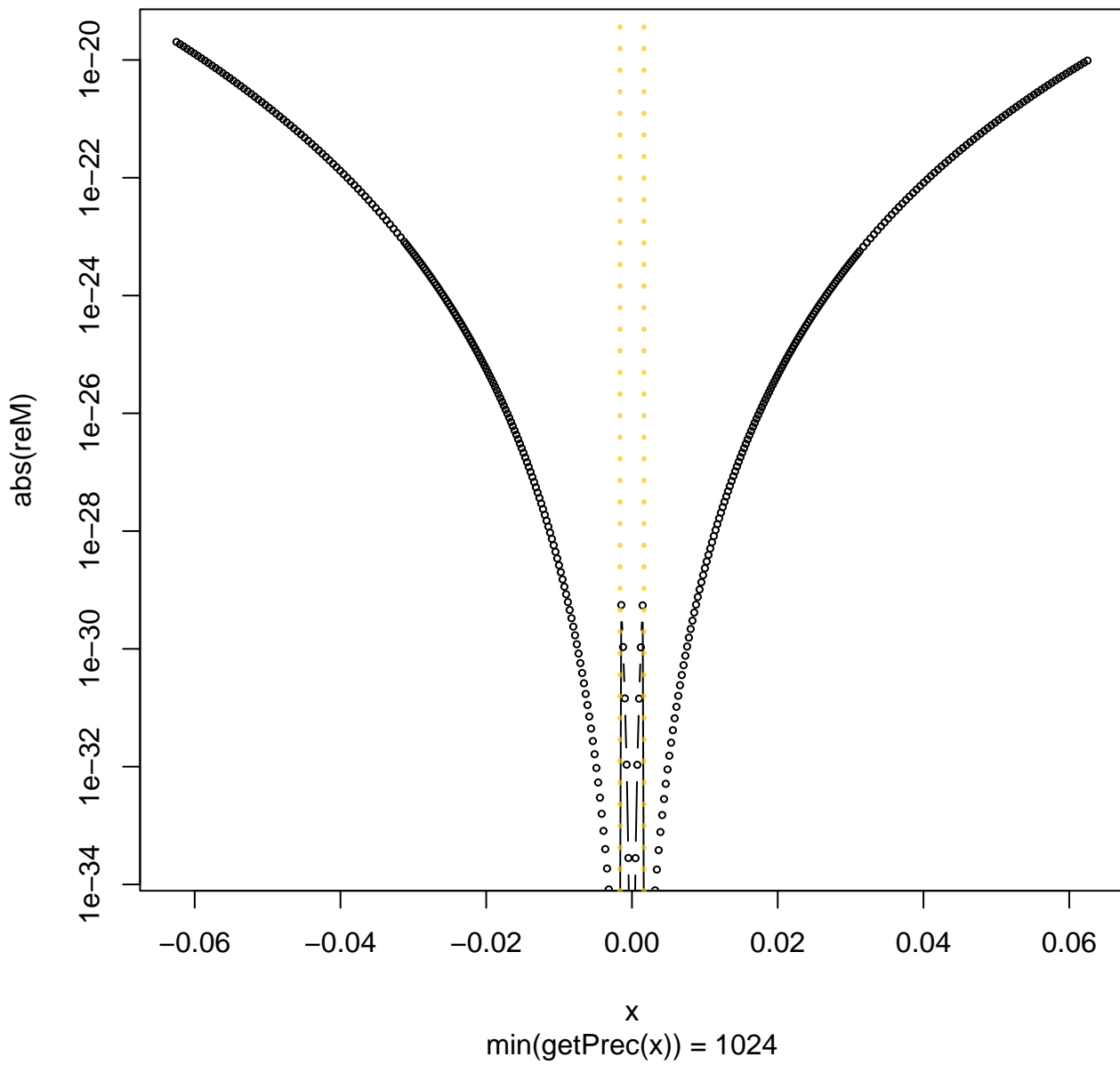
relative error of R log1pmx(eps2=0.002, tol_logcf=1e-14)



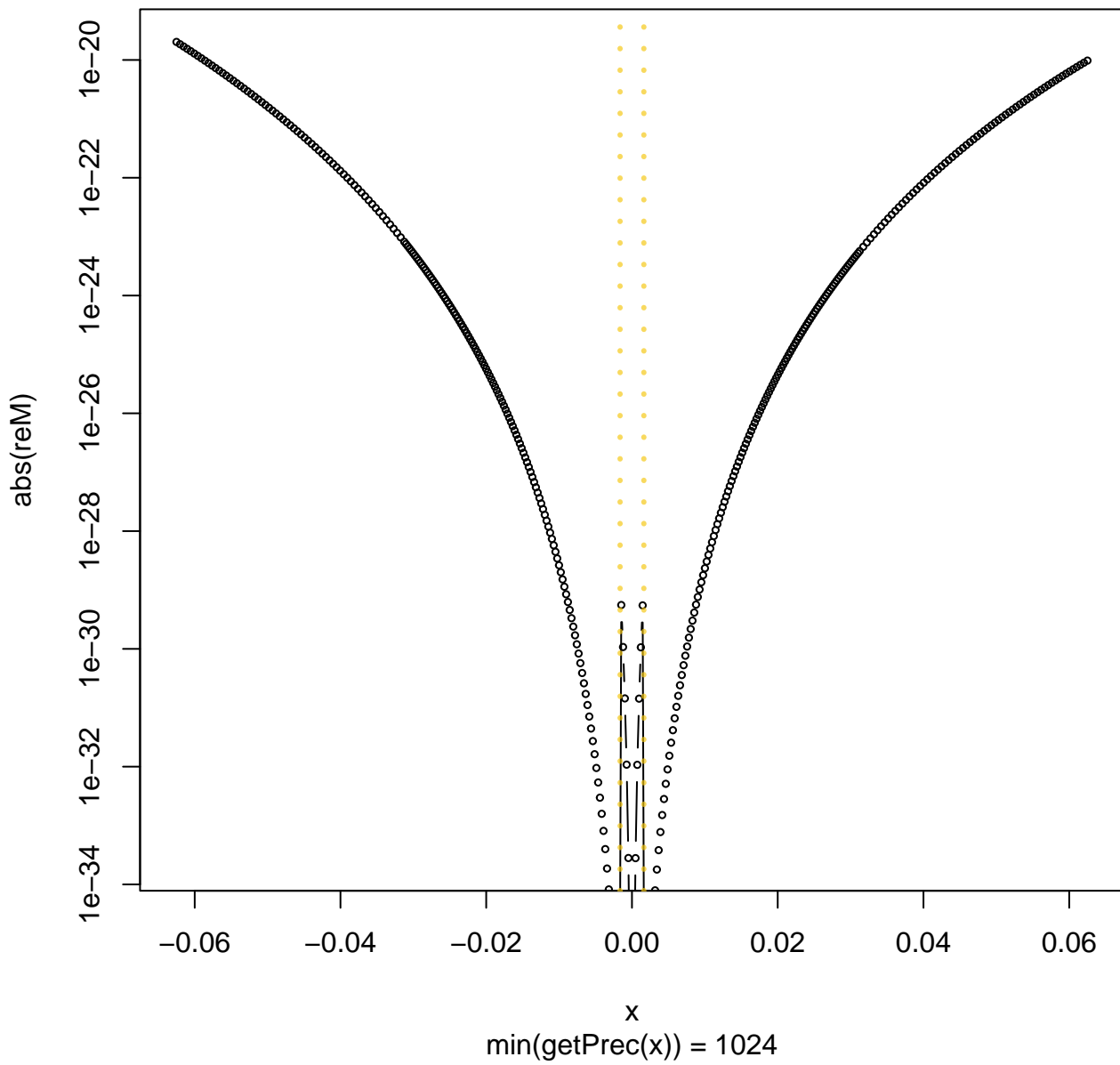
relative error of R log1pmx(eps2=0.0017, tol_logcf=1e-14)



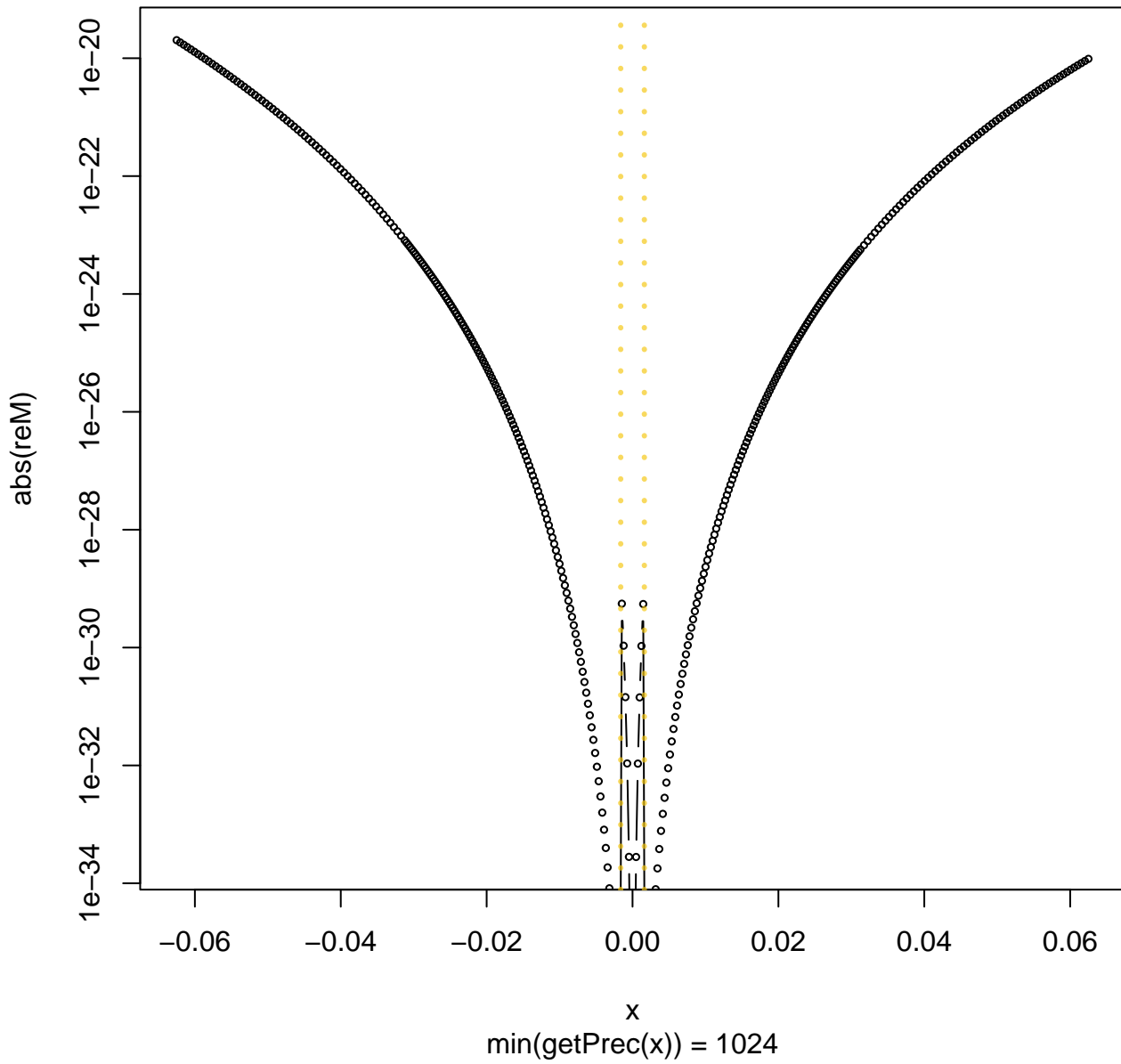
relative error of $R \log_1 \text{pmx}(\text{eps}_2=0.00165, \text{tol_logcf}=1e-14)$



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 log1pmx(eps2=0.0016, tol_logcf=1e-14)

