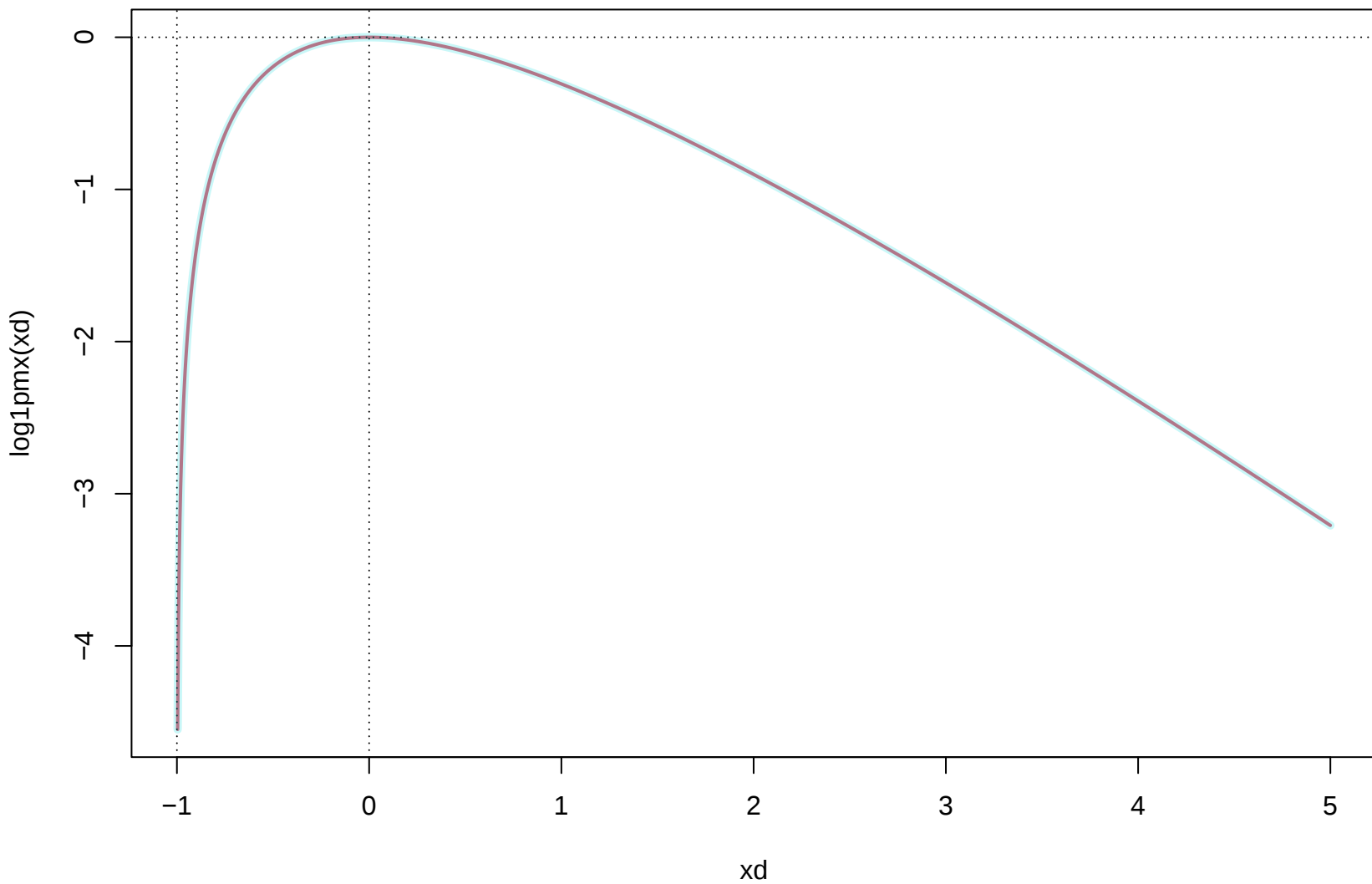
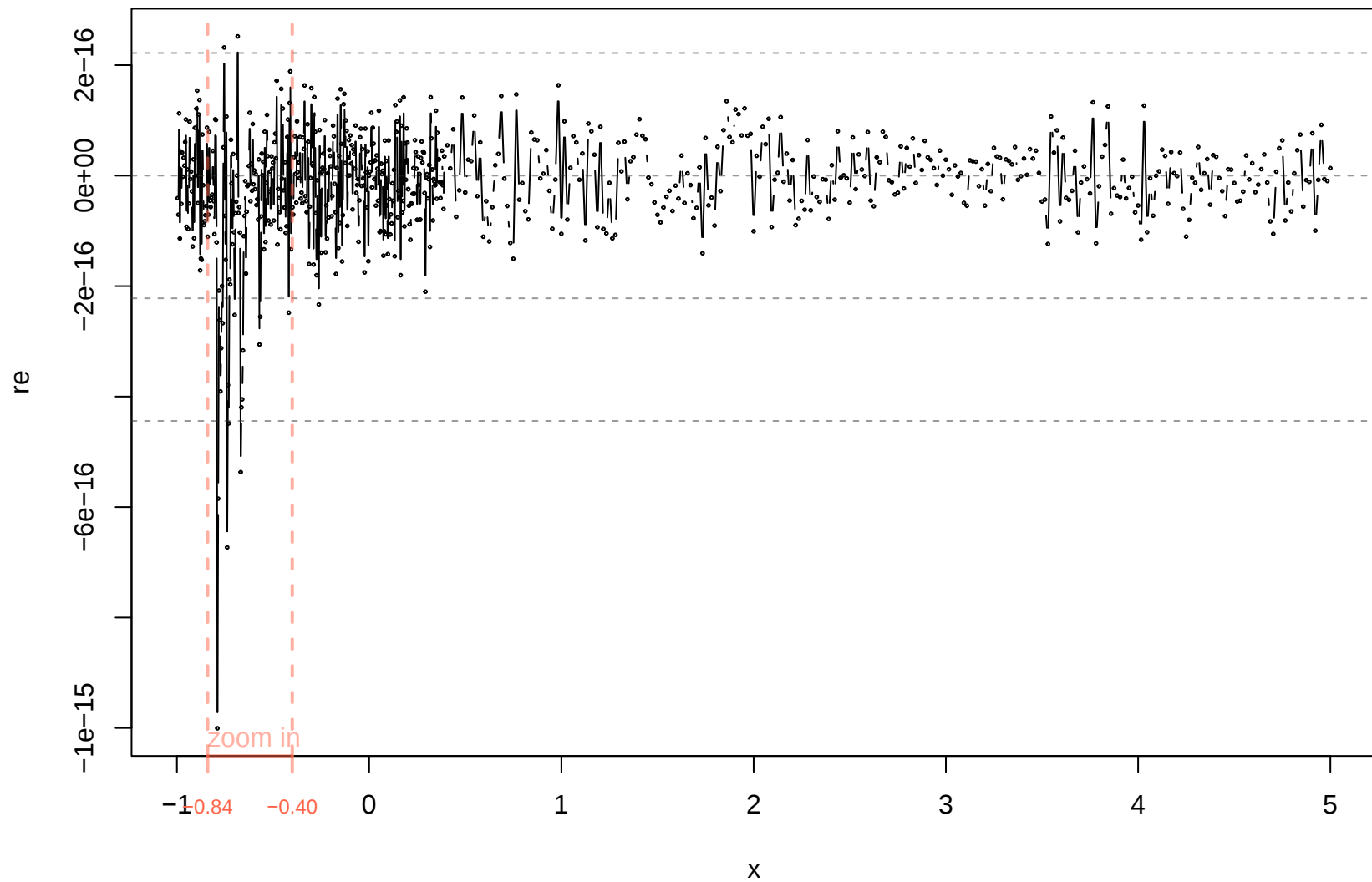


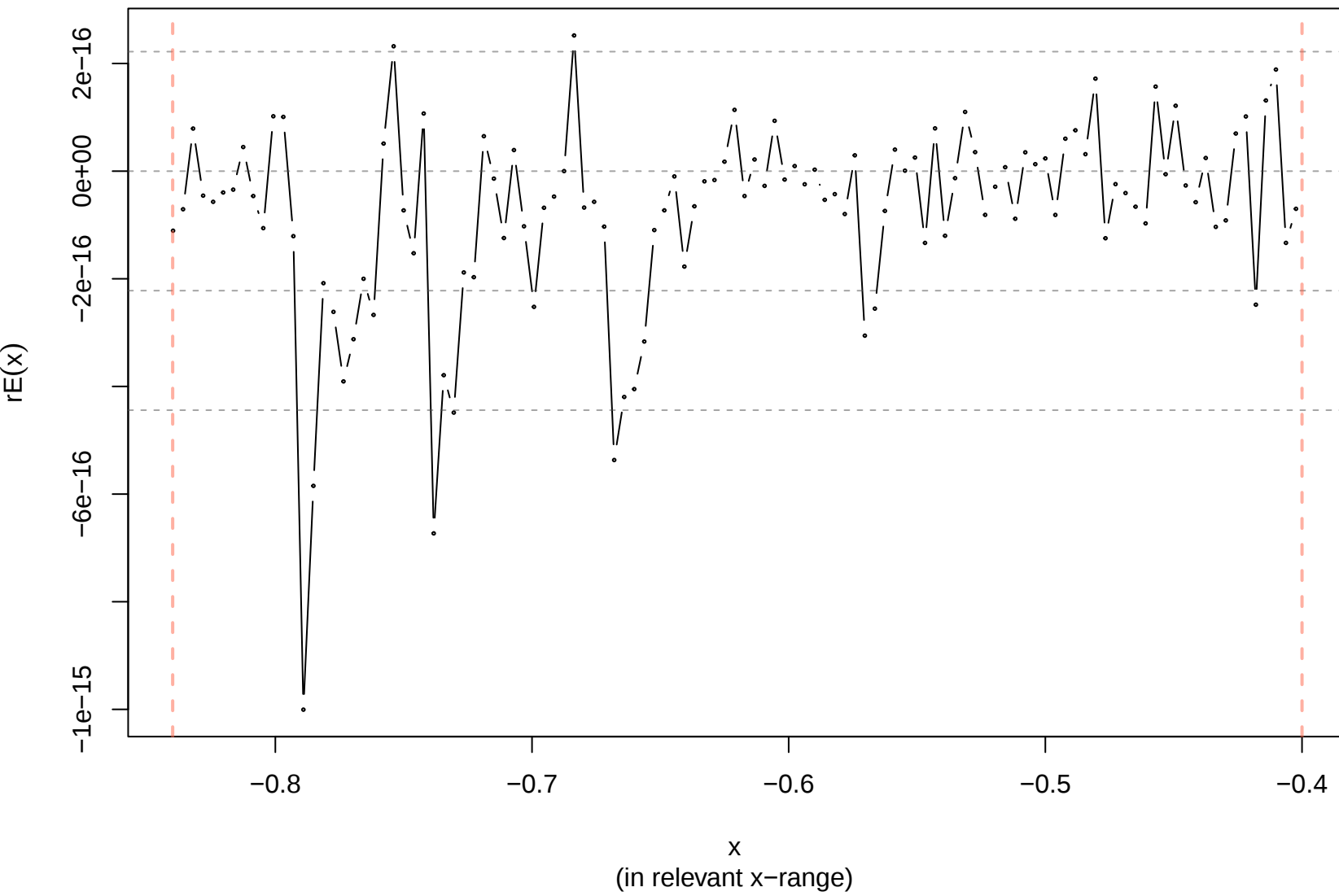
$\log_{1p}x(x)$

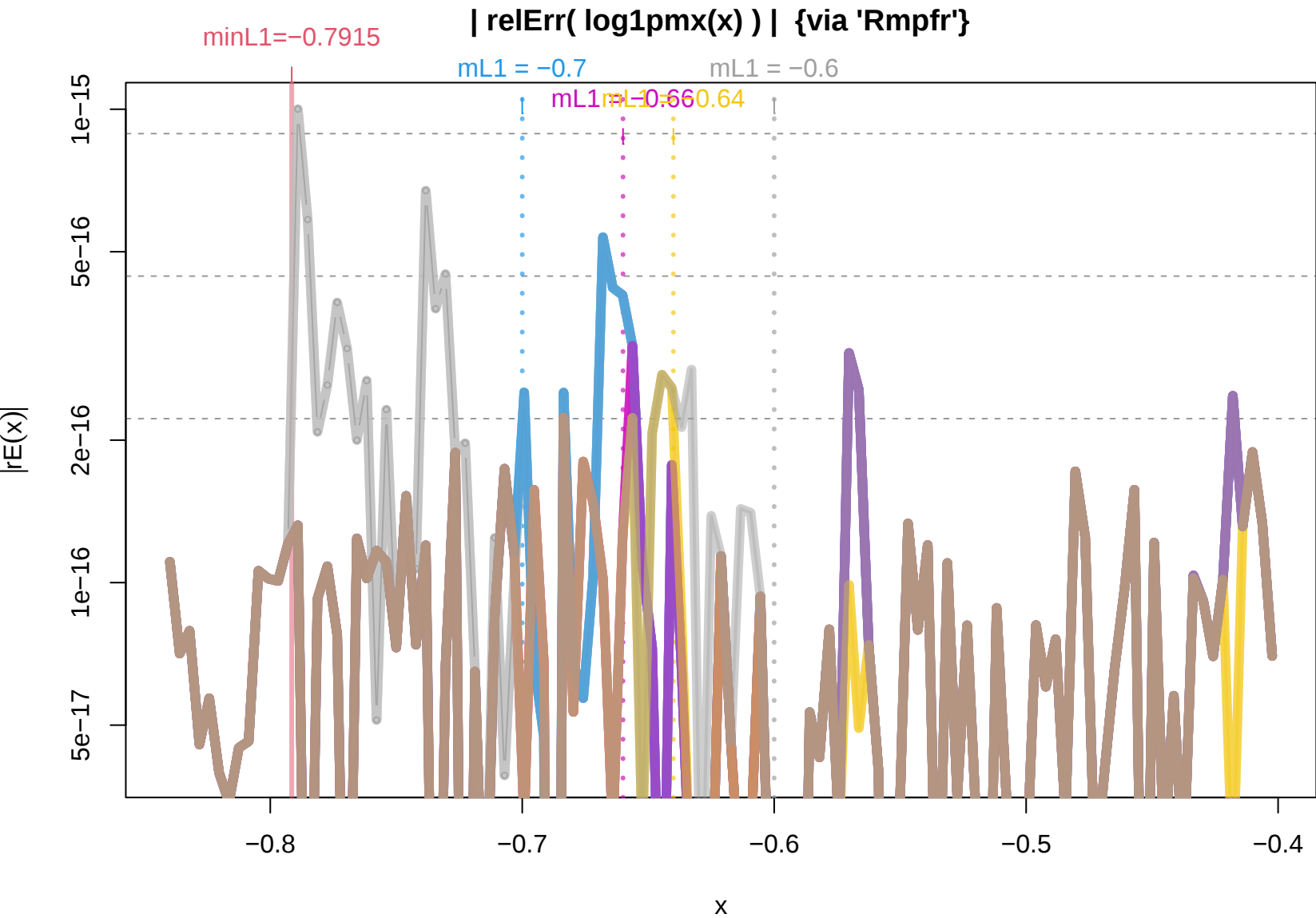


$\text{relErrV}(\log1p(xM) - xM, \log1pmx(x)), xM \leftarrow \text{mpfr}(x, 512)$

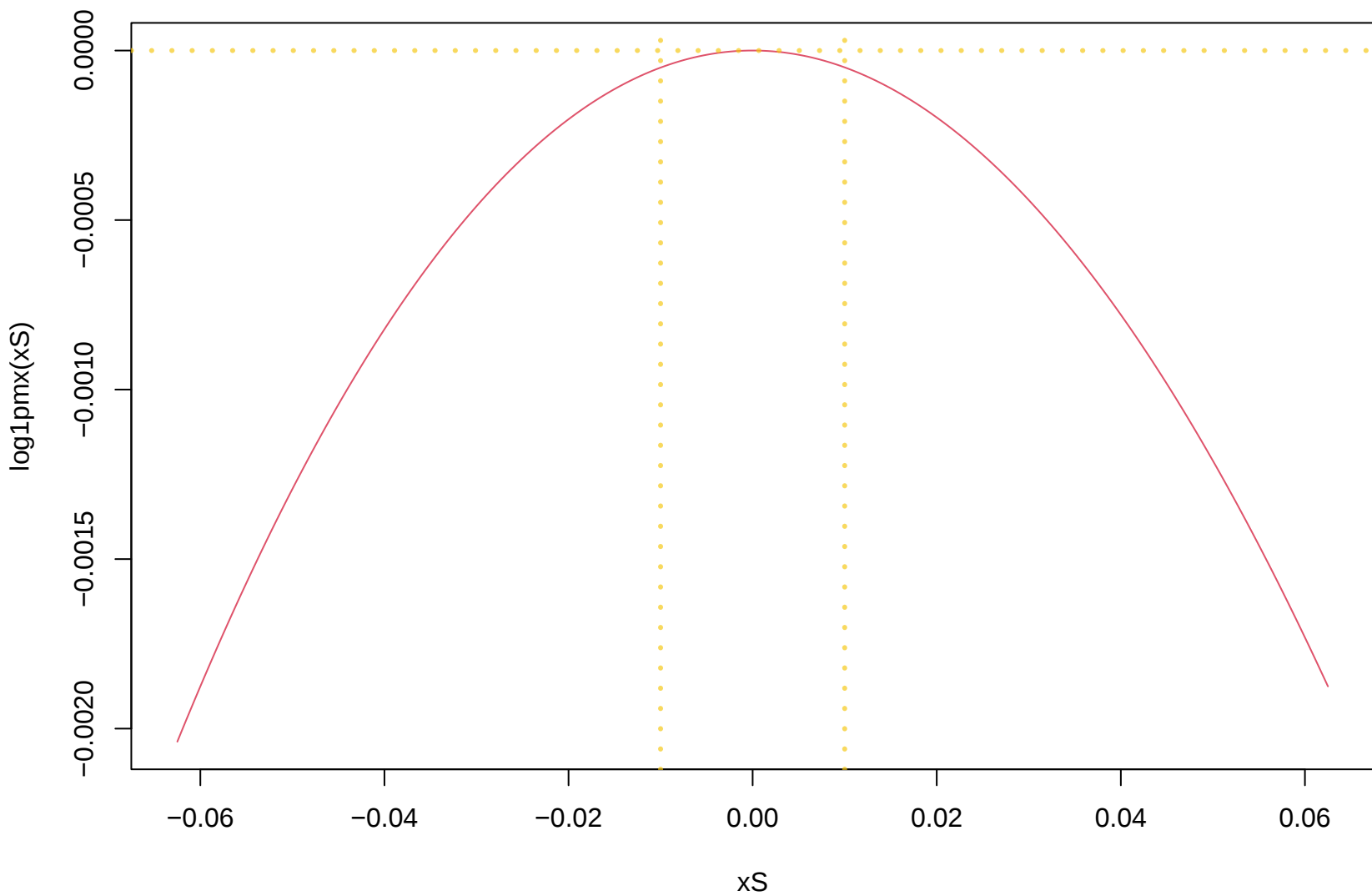


rel.Error of log1pmx(x)

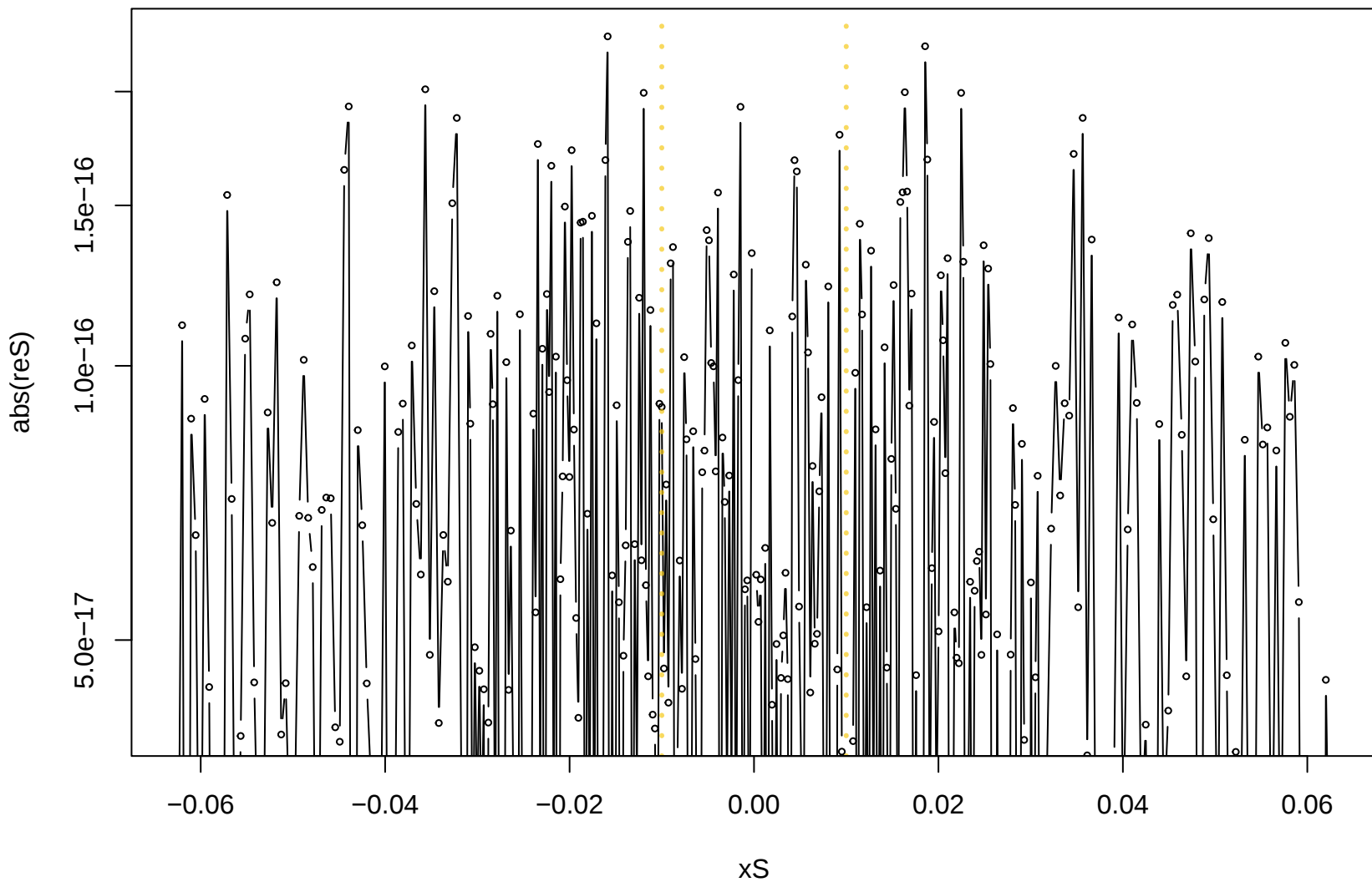




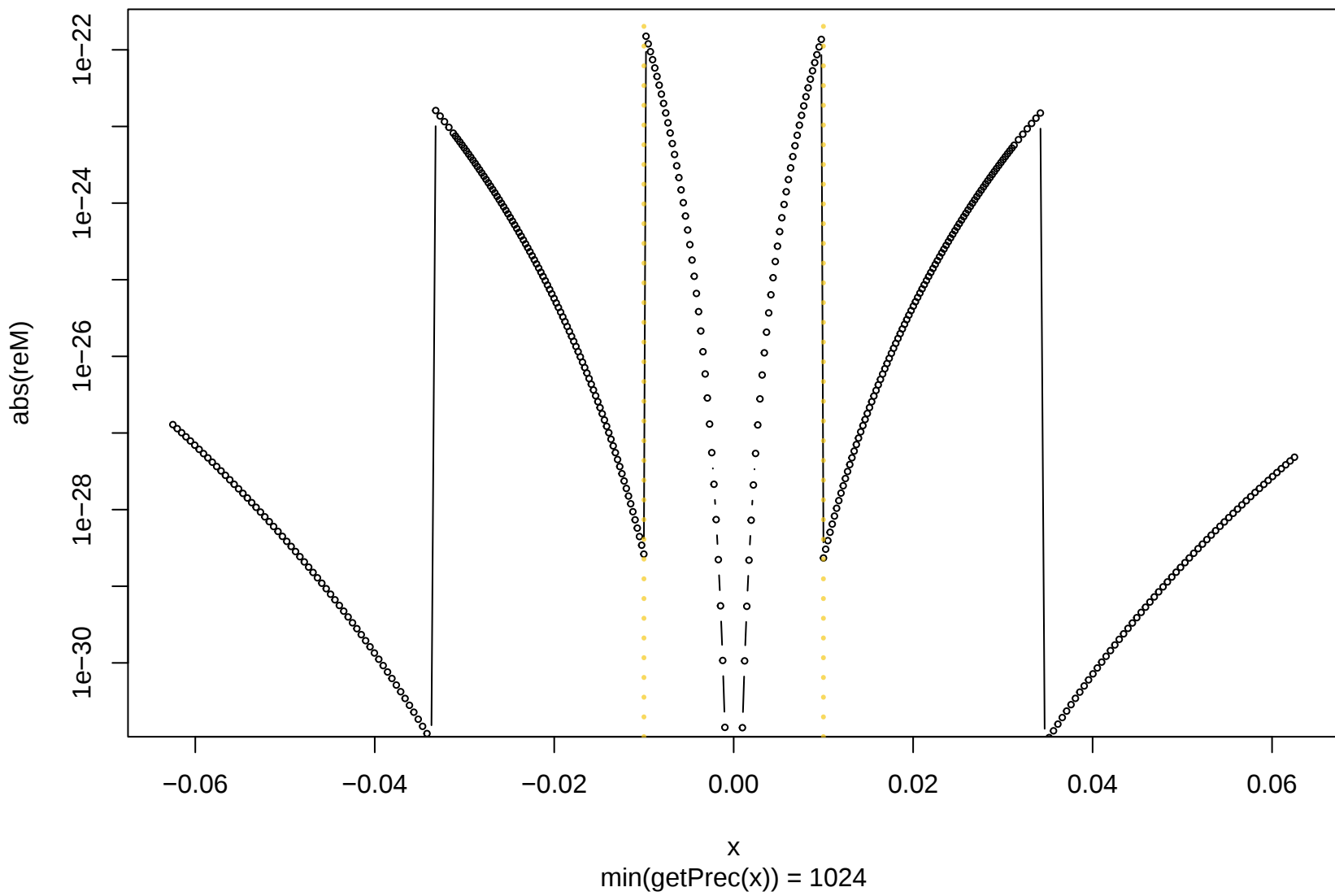
$\log_{10} p_{\text{mx}}(x)$



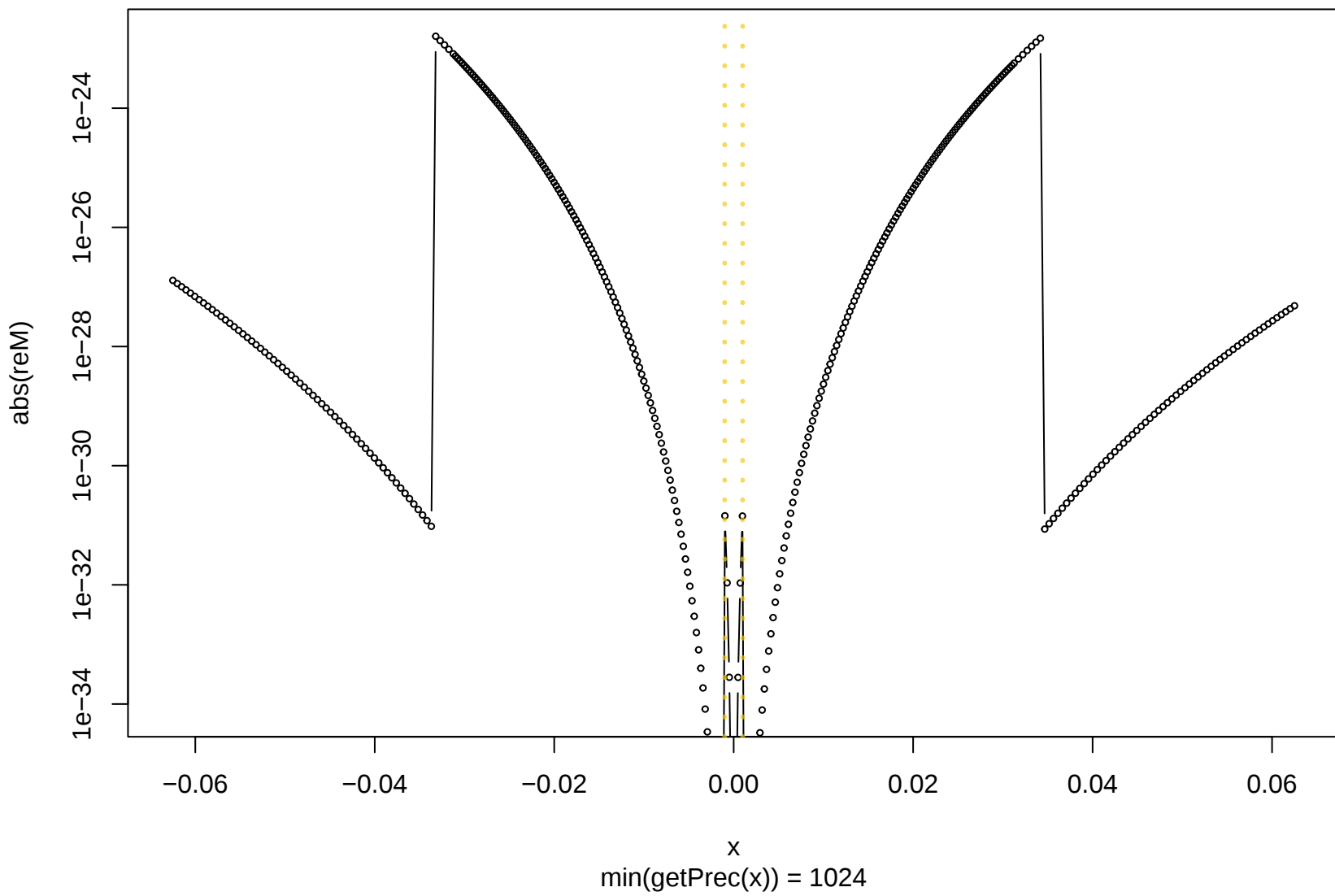
| relErr(log1pmx(<small x>)) | {via 'Rmpfr'}



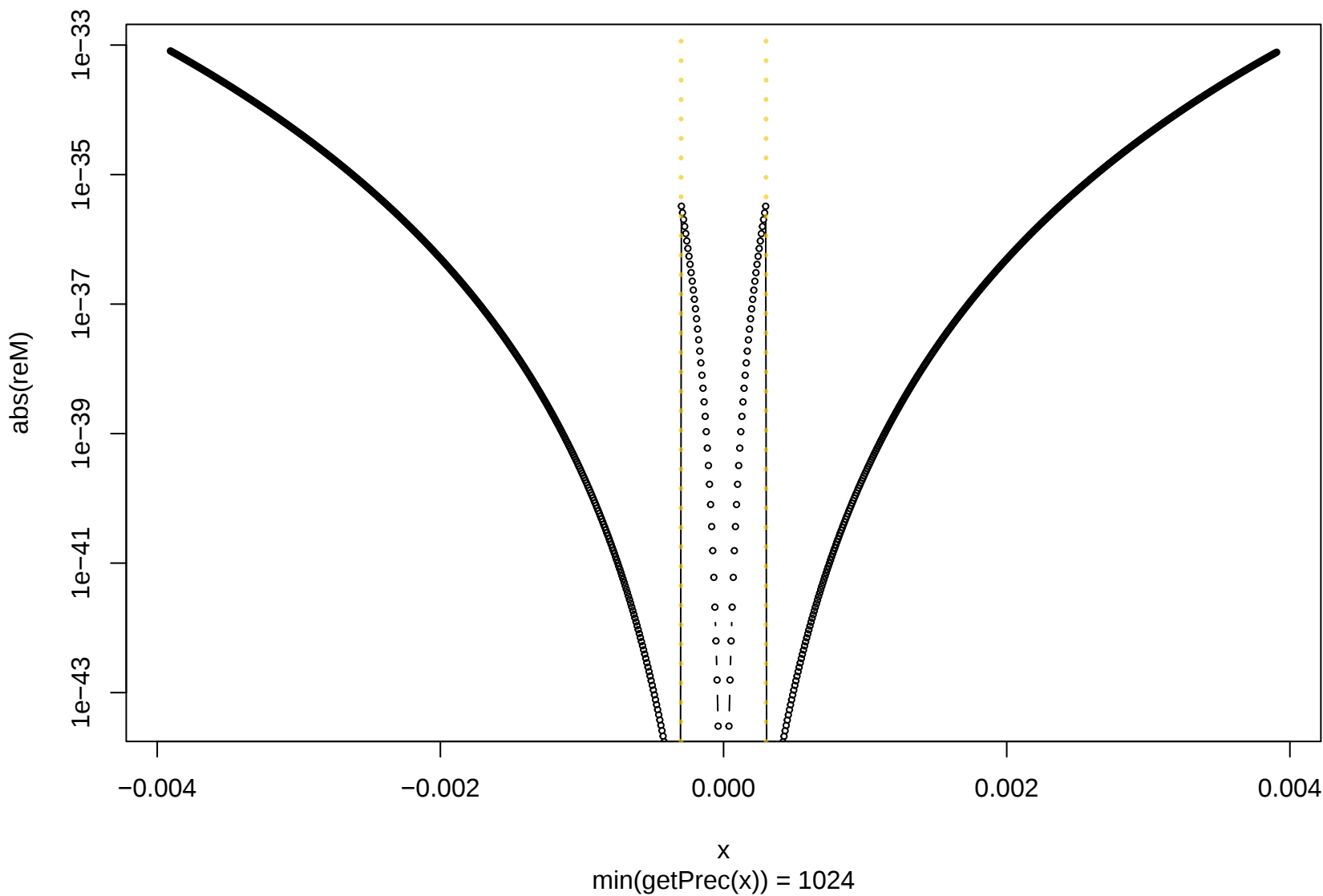
relative error of $R \log_{10} \text{pmx}(\text{eps2}=0.01, \text{tol_logcf}=1\text{e-}17)$



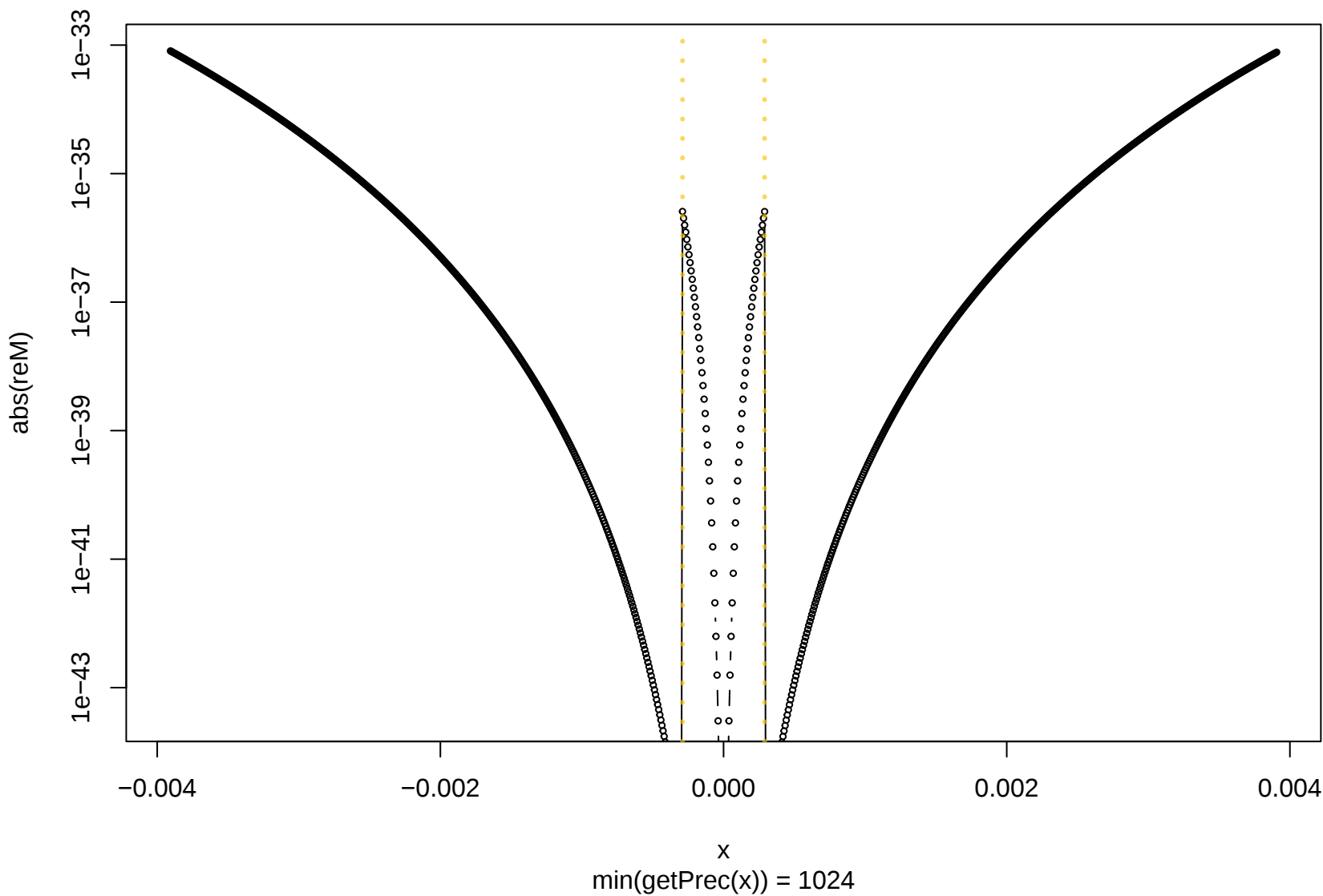
relative error of R log1pmx(eps2=0.001, tol_logcf=1e-17)



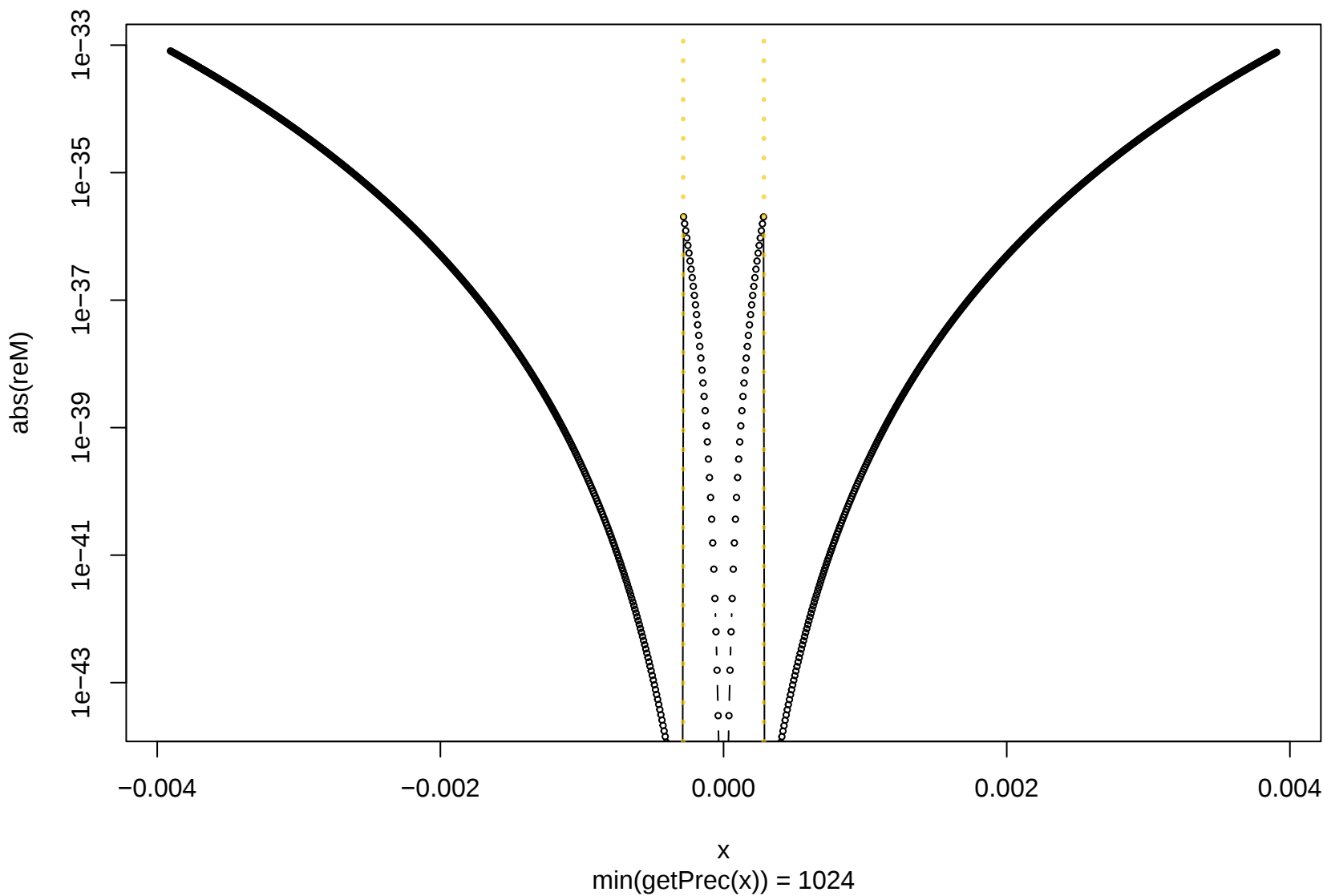
relative error of R log1pmx(eps2=0.0003, tol_logcf=1e-17)



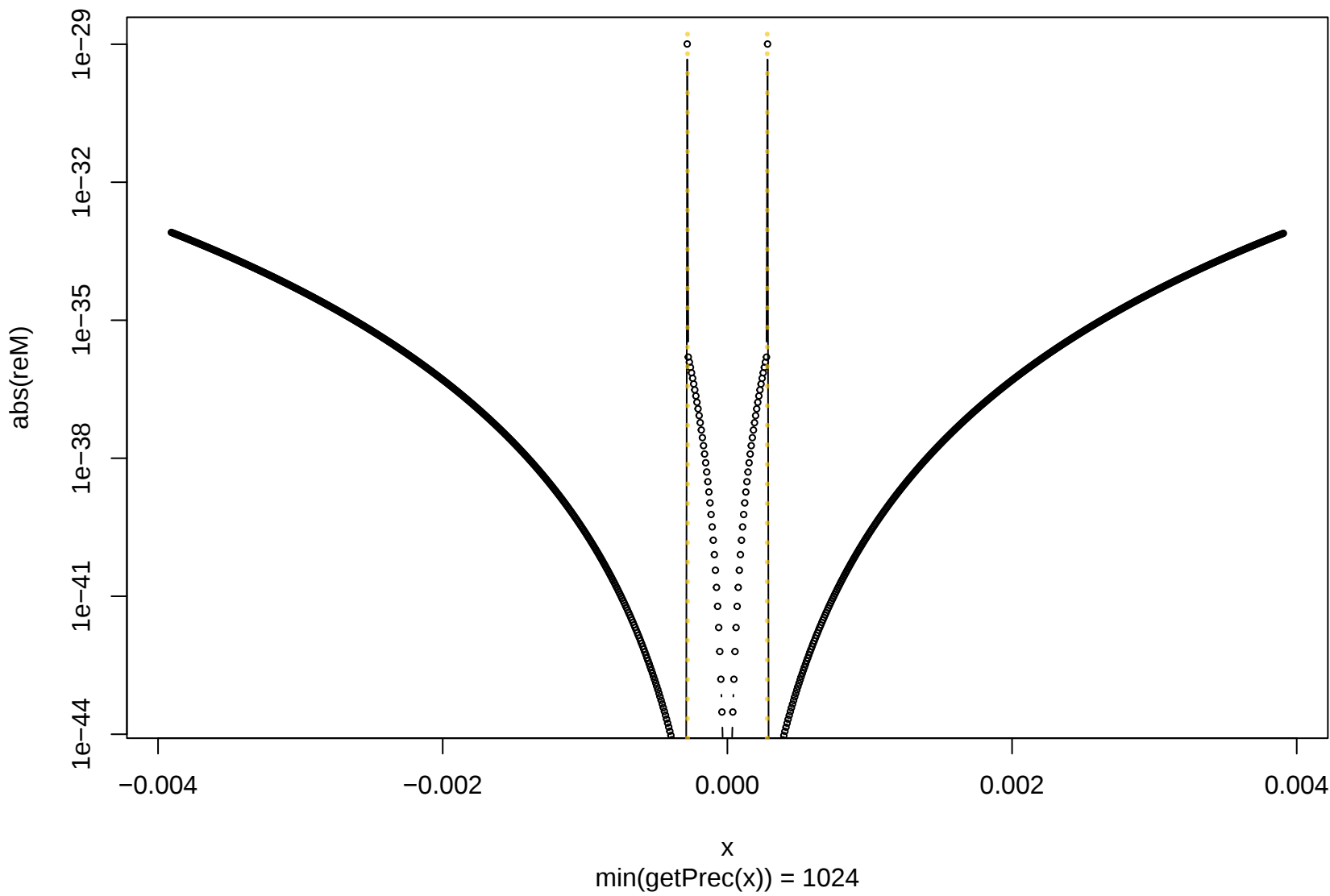
relative error of R log1pmx($\text{eps2}=0.00029$, $\text{tol_logcf}=1\text{e-}17$)



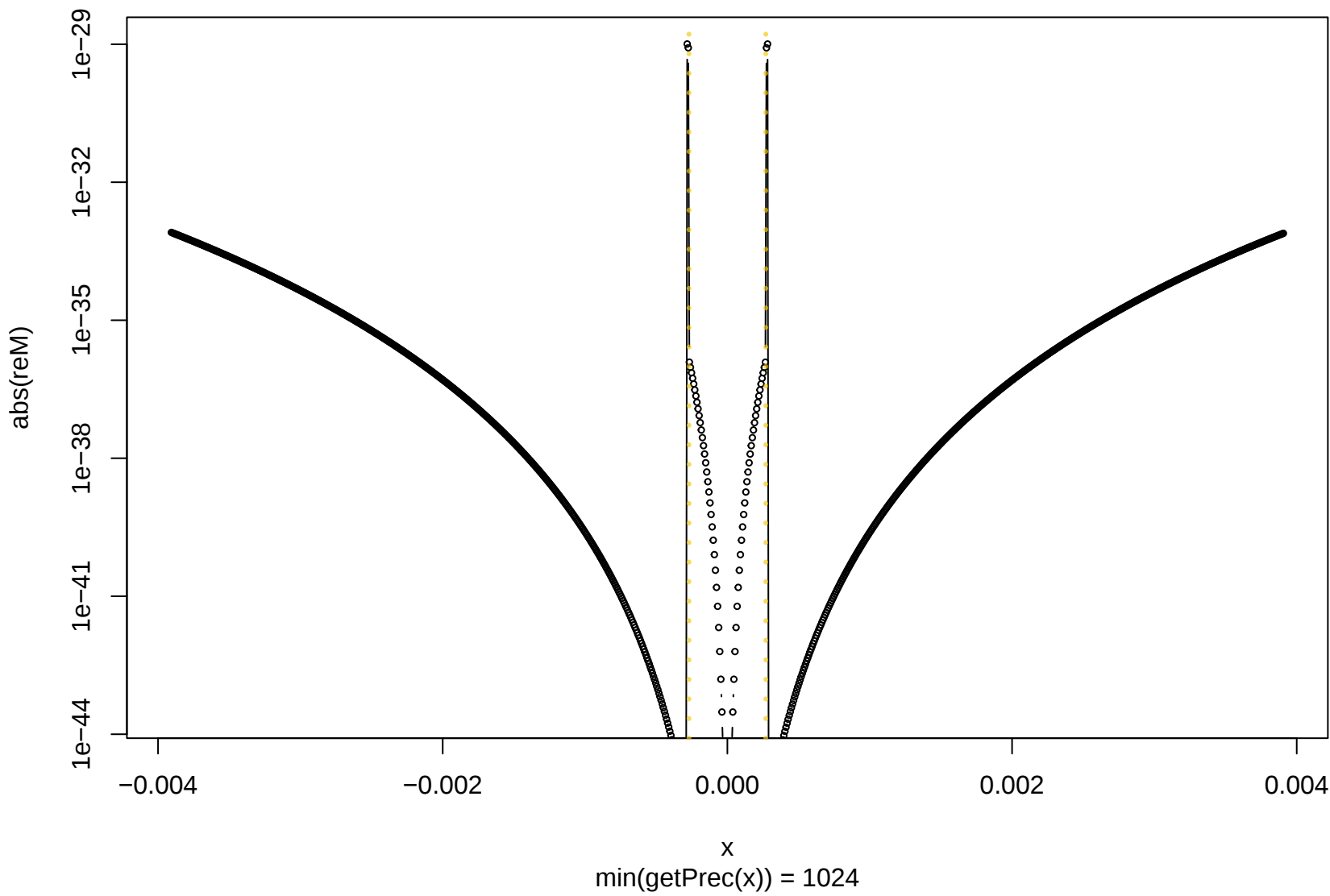
relative error of R log1pmx(eps2=0.000285, tol_logcf=1e-17)



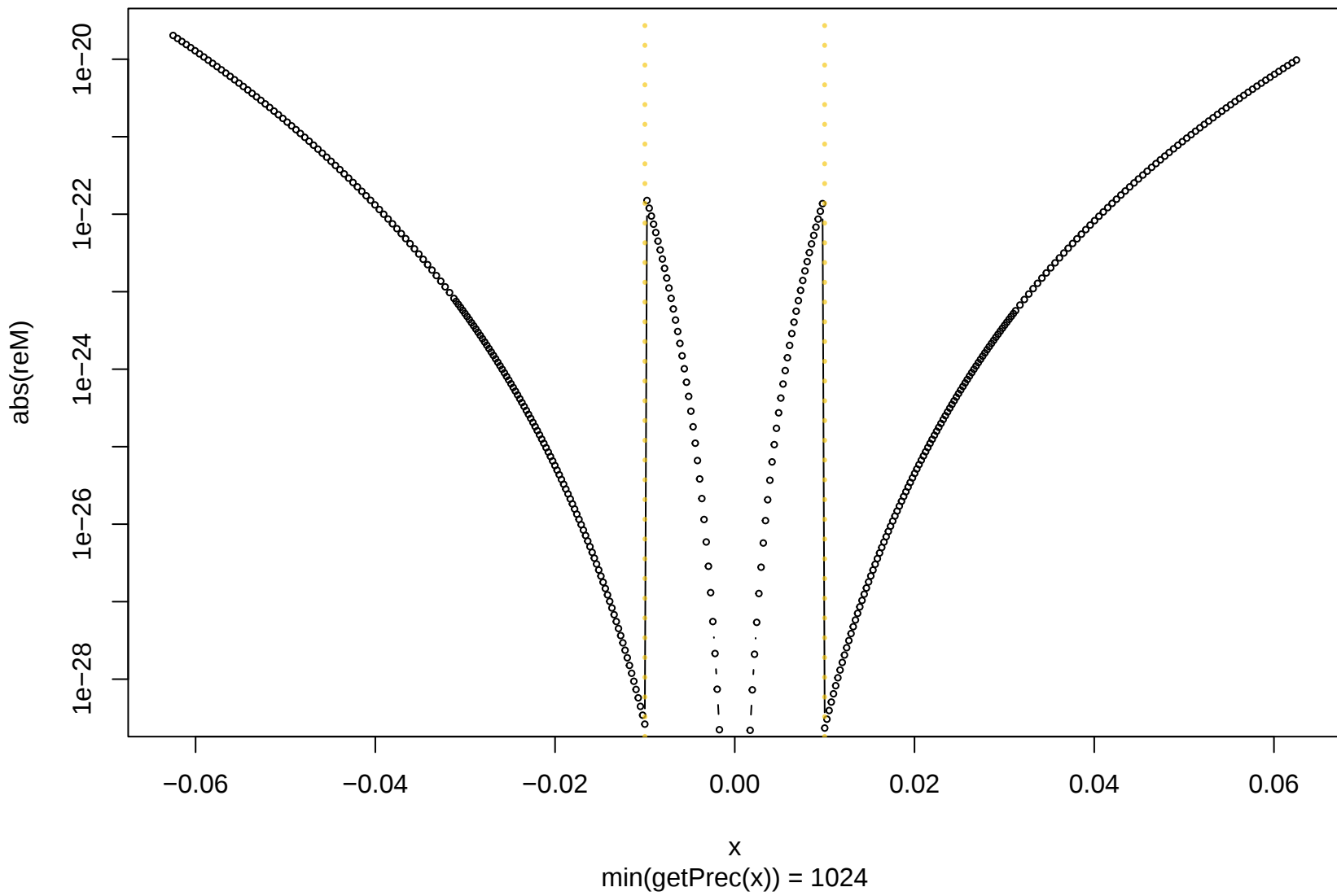
relative error of R log1pmx($\text{eps2}=0.00028$, $\text{tol_logcf}=1\text{e-}17$)



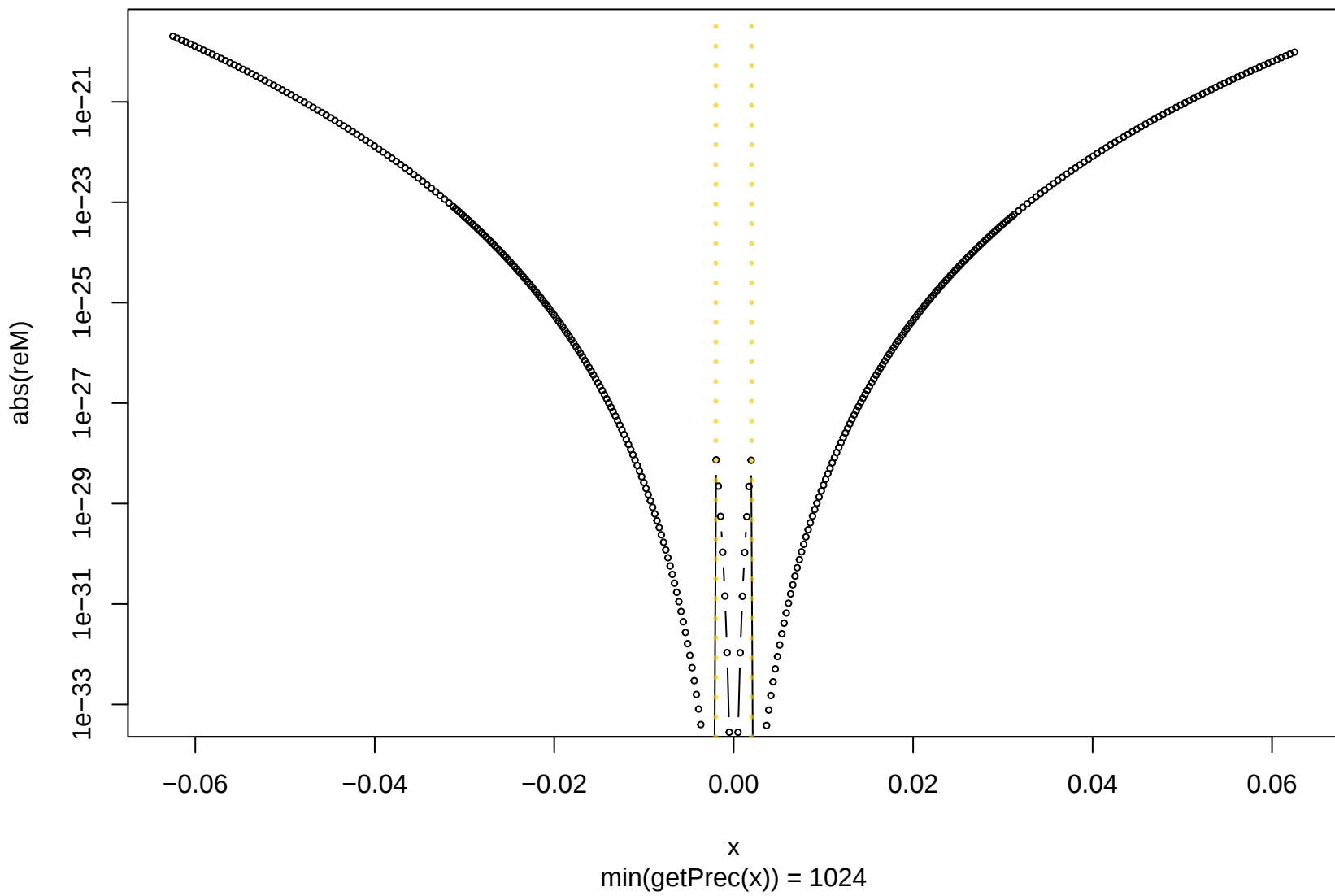
relative error of R log1pmx($\text{eps2}=0.00027$, $\text{tol_logcf}=1\text{e-}17$)



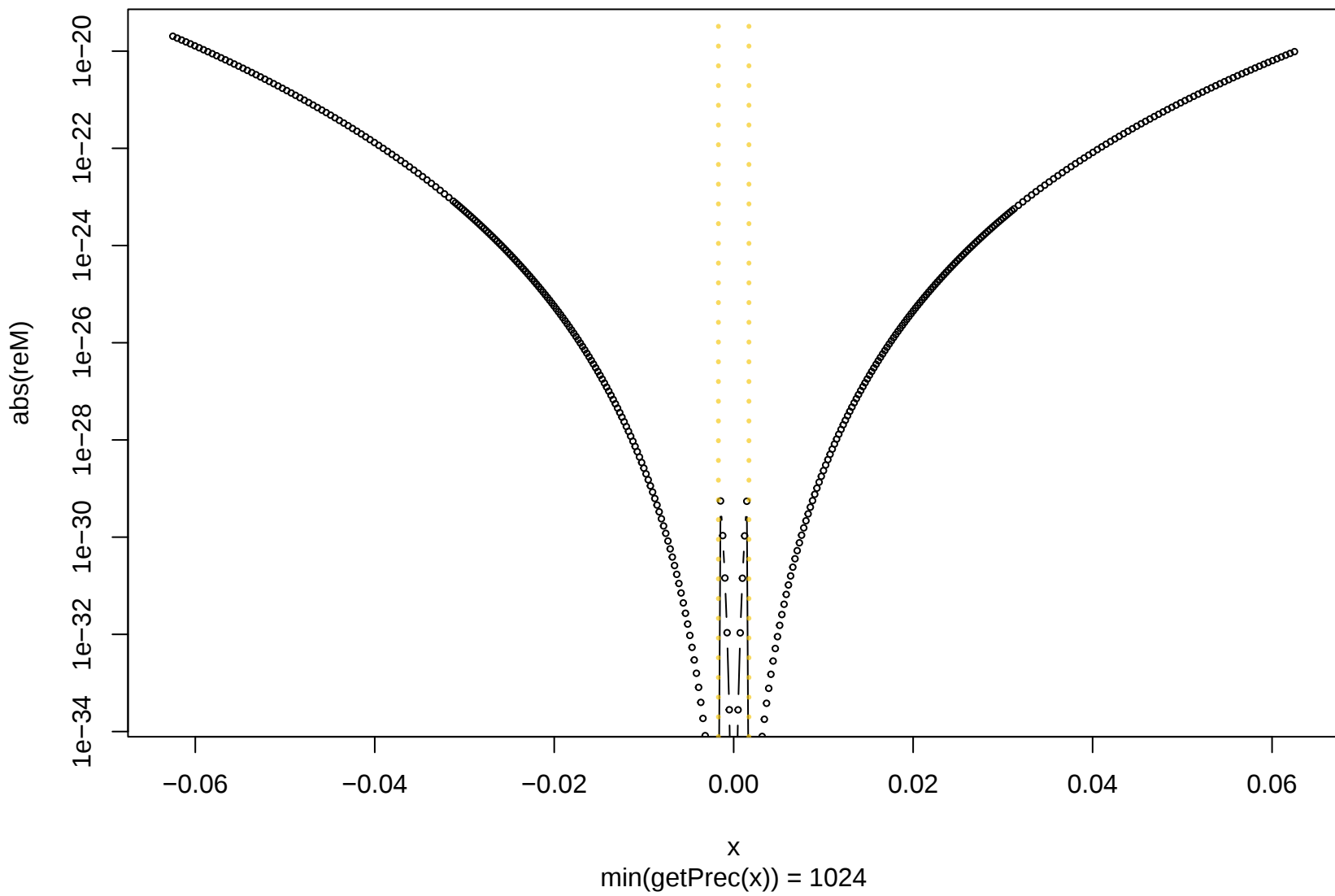
relative error of R log1pmx($\text{eps2}=0.01$, $\text{tol_logcf}=1\text{e-}14$)



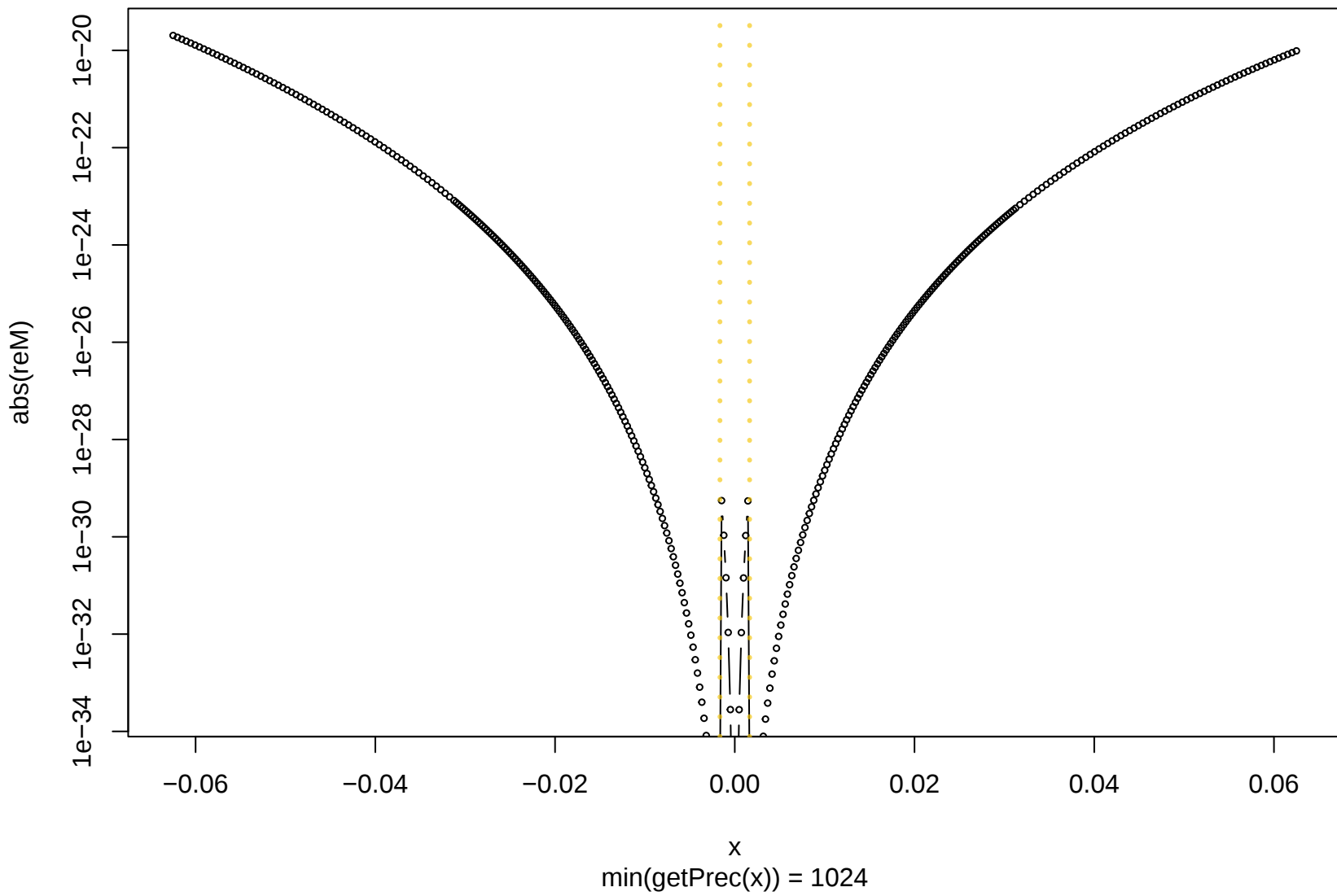
relative error of R log1pmx(eps2=0.002, tol_logcf=1e-14)



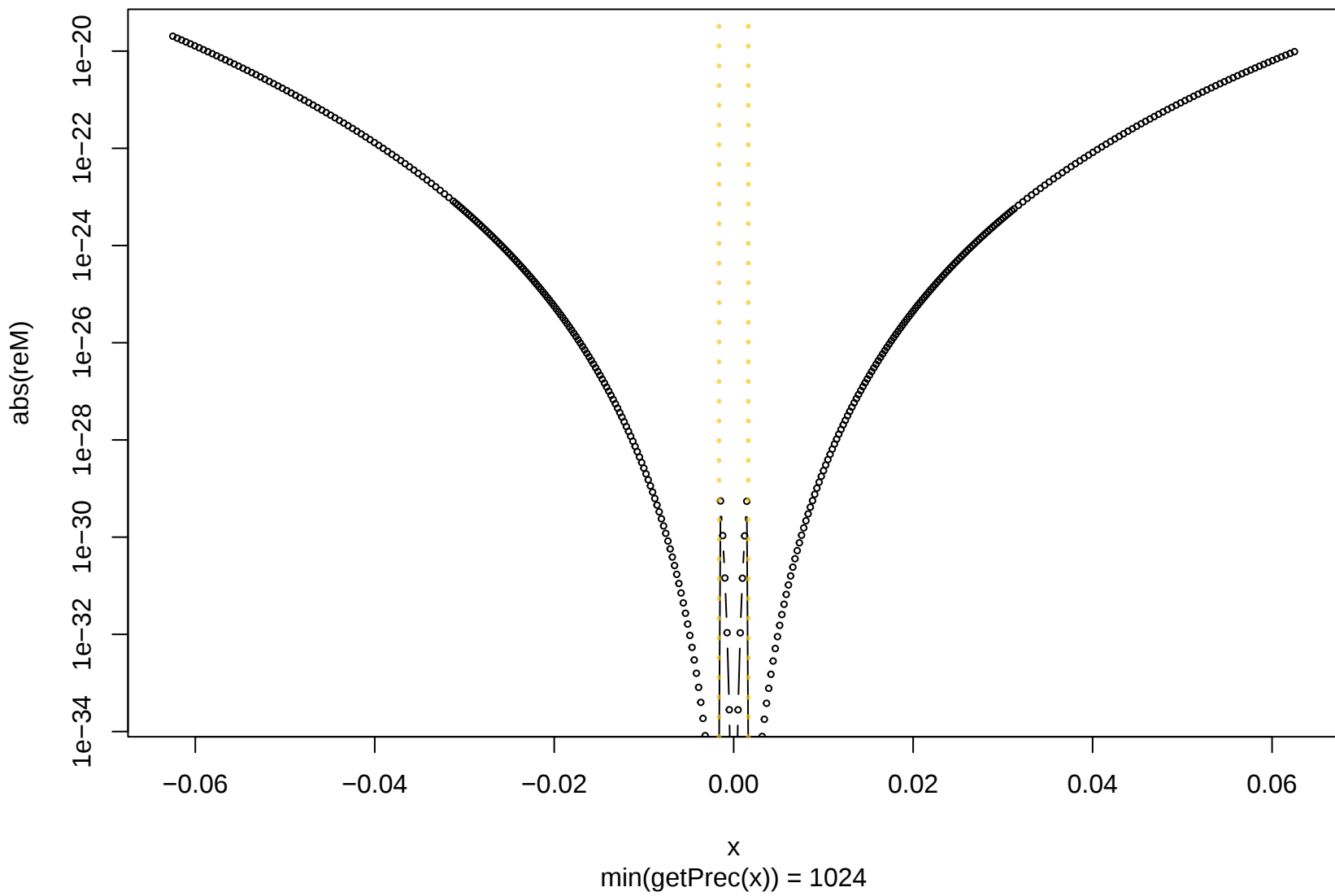
relative error of R log1pmx($\text{eps2}=0.0017$, $\text{tol_logcf}=1\text{e-}14$)



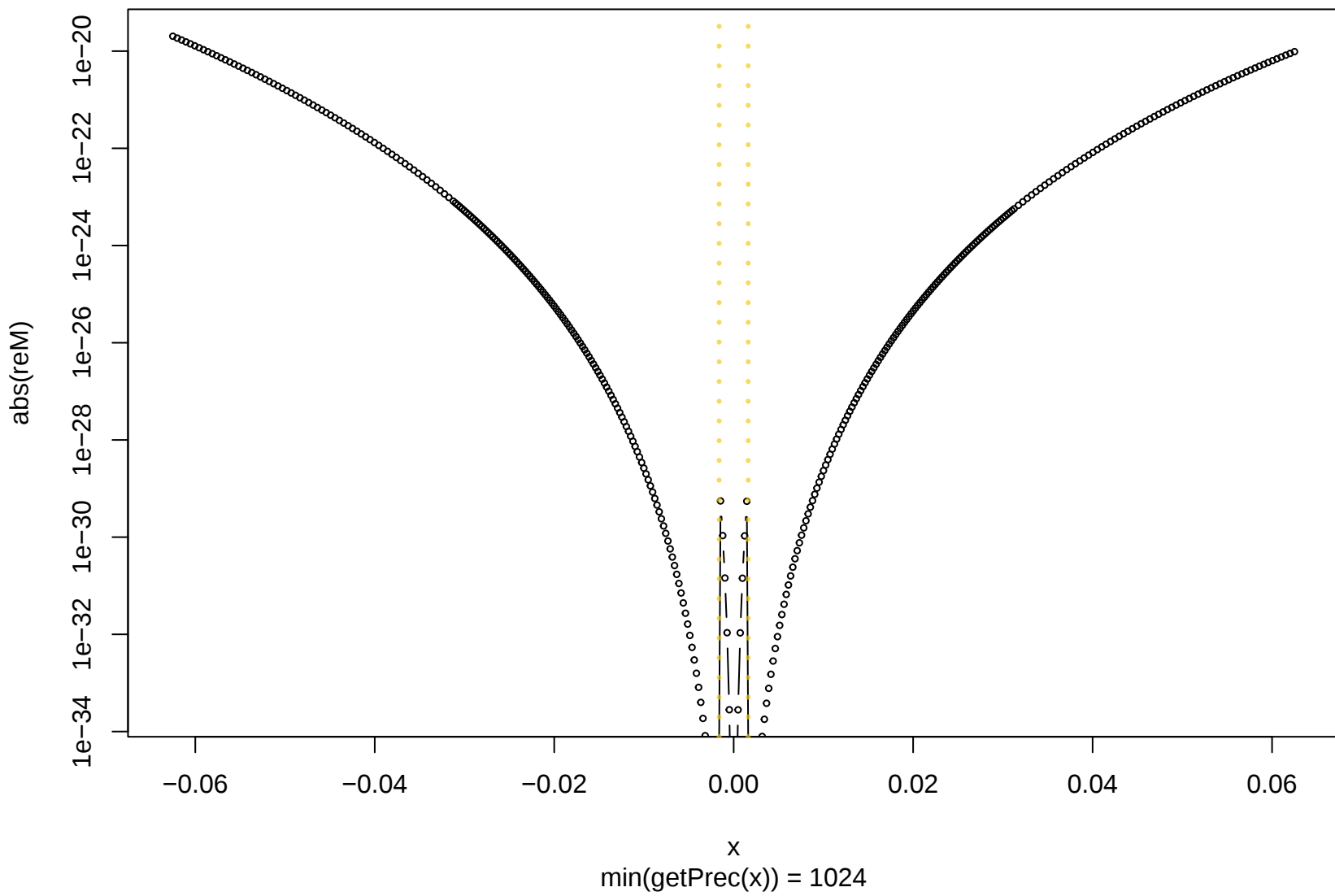
relative error of R log1pmx($\text{eps2}=0.00165$, $\text{tol_logcf}=1\text{e-}14$)



relative error of R log1pmx($\text{eps2}=0.00163$, $\text{tol_logcf}=1\text{e-}14$)



relative error of R log1pmx($\text{eps2}=0.00162$, $\text{tol_logcf}=1\text{e-}14$)



relative error of R log1pmx($\text{eps2}=0.0016$, $\text{tol_logcf}=1\text{e-}14$)

