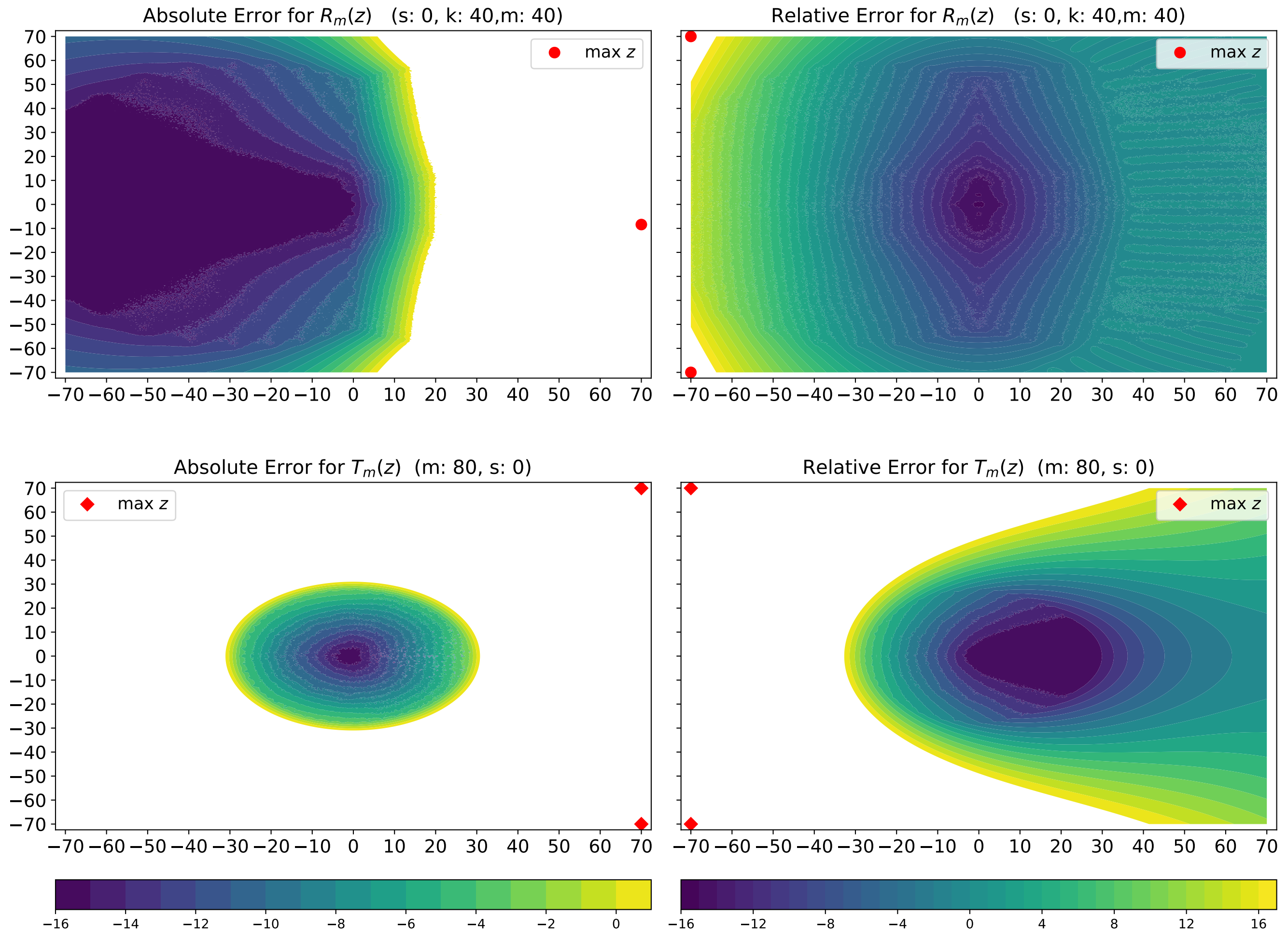The contour plot shows the error of approximating exp(x) with a plain Taylor $T_m(z)$\
and plain Padé polynomial $R_{k,m}(z)$ with the polynomial degree of m and $(m+k)$ respectively\
over the domain [-70,70].

Absolute Error for $R_m(z)$ (s: 0, k: 40, m: 40)

Relative Error for $R_m(z)$ (s: 0, k: 40, m: 40)

Absolute Error for $T_m(z)$ (m: 80, s: 0)

Relative Error for $T_m(z)$ (m: 80, s: 0)

Note: both plain Taylor and Pade have the same polynomial degree of 80 but it looks like Pade does suprisingly well for\
in both absolute and relative case. In terms of the maximum errors, both Taylor and Pade have them at the exact same spots\
(Re(z)=70 and Re(z)=-70 for absolute and relative respectively). In relative error, Pade seems to do really well to approximate\
exponential function when Re(z)<0, which we always had trouble in Taylor approximation.