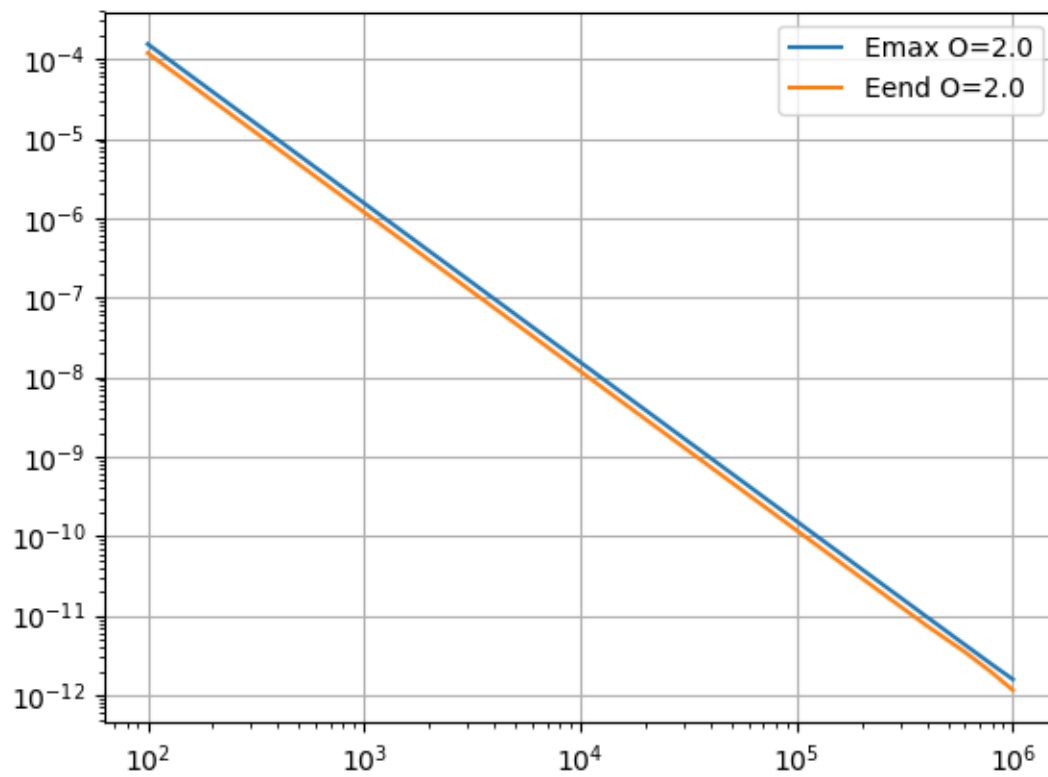


Trapezoidal with Order of Error

Below are my results for trapezoidal implicit method. The error was as expected, with good stability as $N \rightarrow \infty$



RK4 with Order of Error

Below are the results of RK4 method. The order of convergence of the method was double that of trapezoidal, but as $N \rightarrow \infty$ the method grew unstable

