

Language : MATLAB.  
Source Code : problem-1.m

The given function,  
$$f(x) = e^x - x^4$$

Using the bisection algorithm to within a tolerance of  $10^{-6}$ ,  
we enlist the roots in the following manner.

declared vicinity	Chosen lower bound, $a$ $f(a) < 0$	Chosen upper bound, $b$ $f(b) > 0$	root $x^*$
-1	-2	0	-0.8156
1	2	0	1.4296
9	6	12	8.6132

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