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Enter x to interpolate: 4.10
Coefficients:

.....
a = 0.00423
b = -0.01268
c = 0.02881
d = 0.94118

Interpolated value: $f(4.10) = 0.94393$
Exact value: $f(4.10) = 0.94385$
Absolute error = 0.00880 %