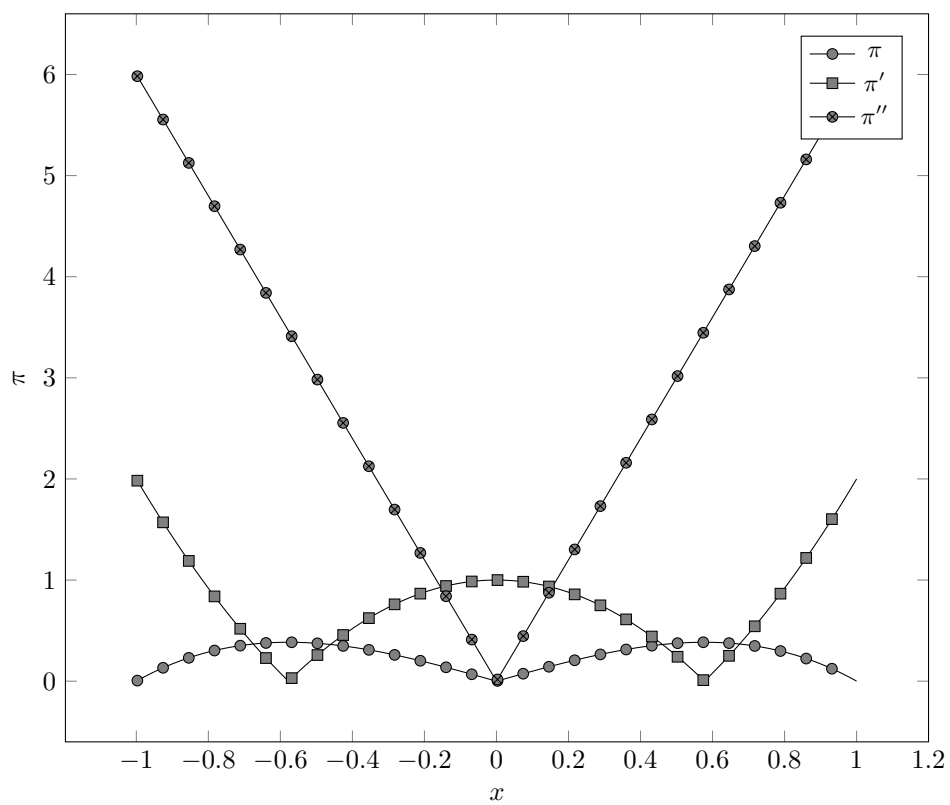


1 Solutions of milestone 3

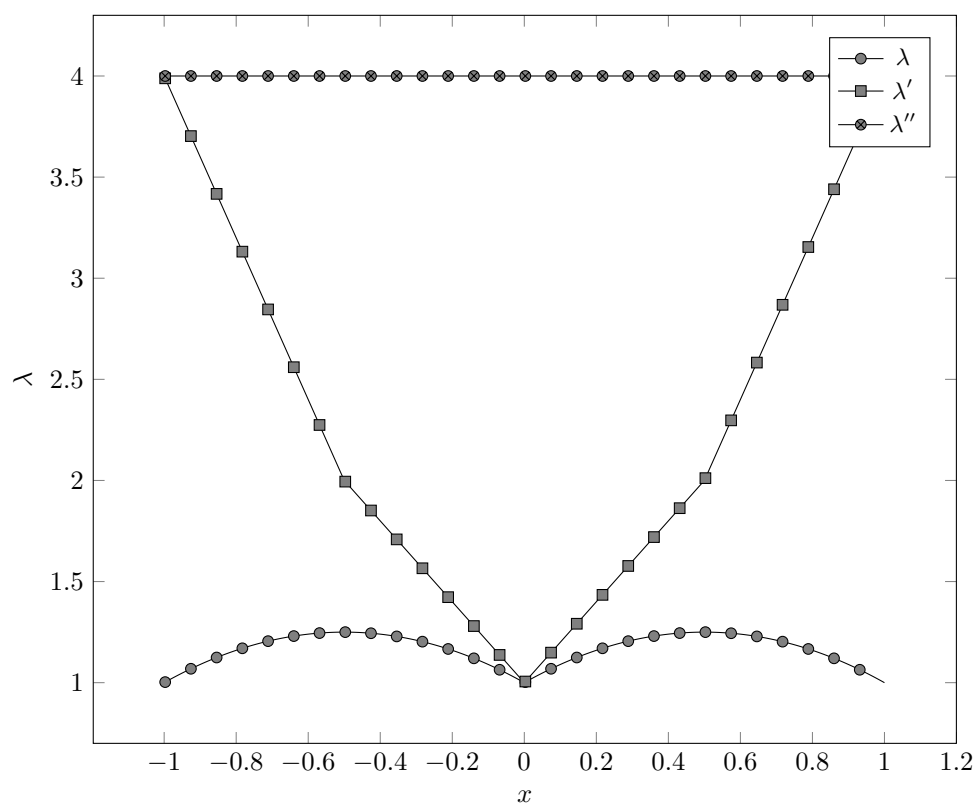
Three equispaced interpolation points.

(a) Error function π and its derivatives.

(b) Lebesgue function λ and its derivatives.



(a)

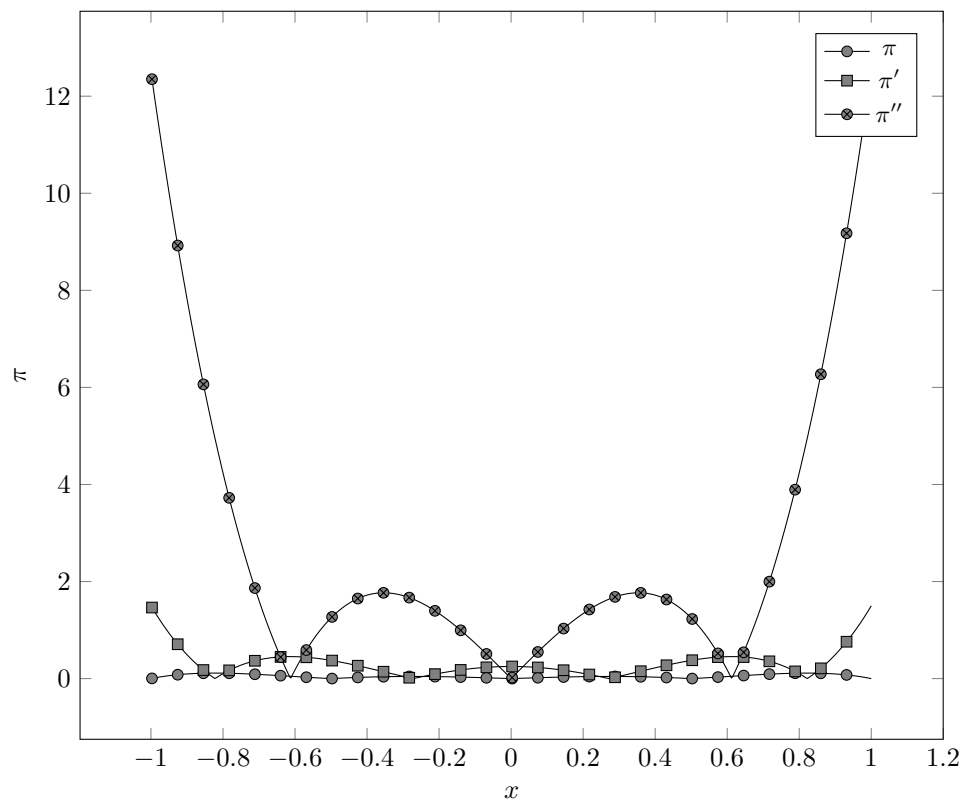


(b)

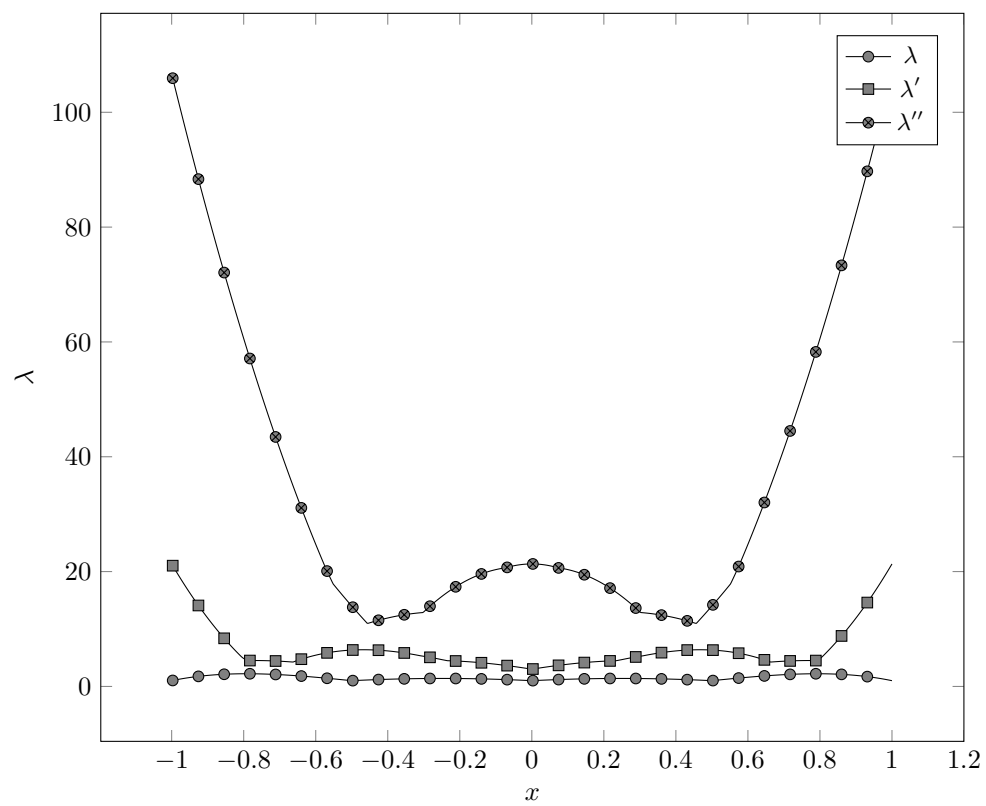
Five equispaced interpolation points.

(a) Error function π and its derivatives.

(b) Lebesgue function λ and its derivatives.



(a)

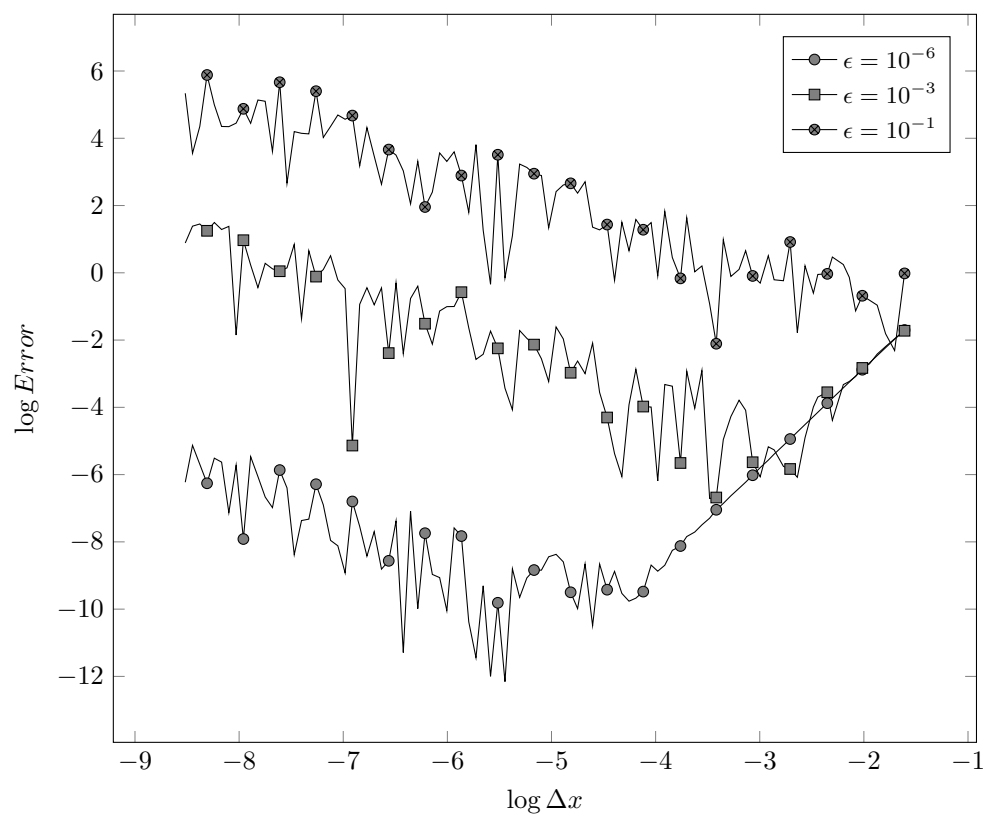


(b)

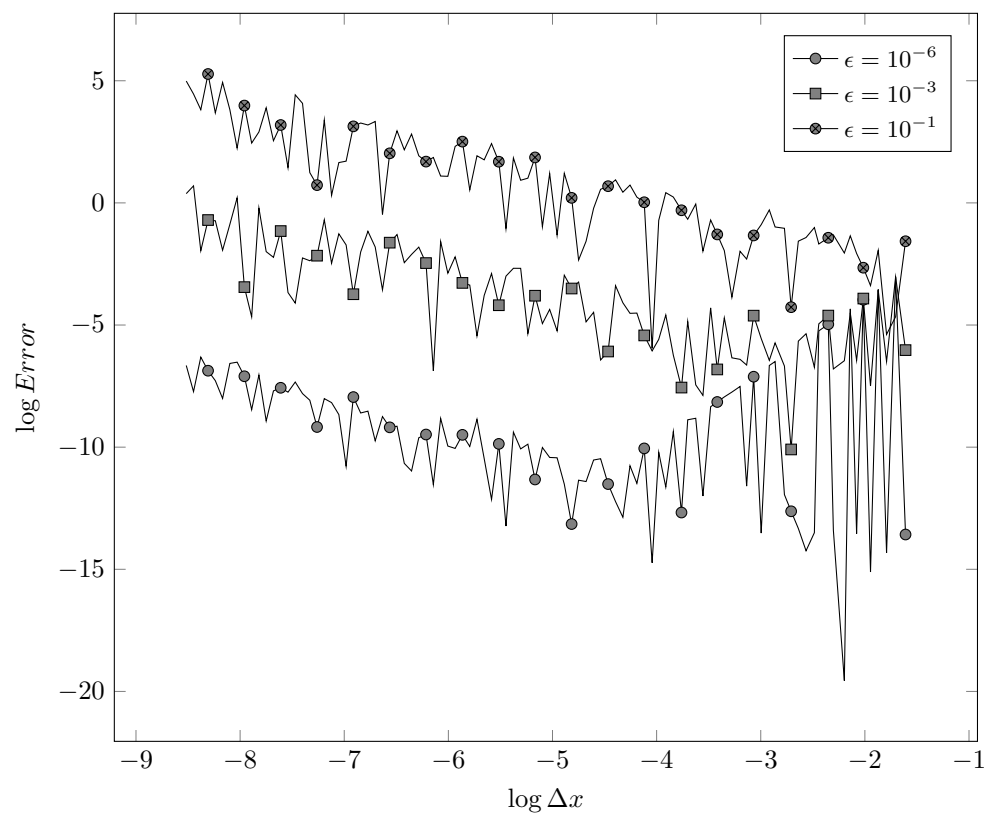
2 Solutions of milestone 4

Three equispaced interpolation points.

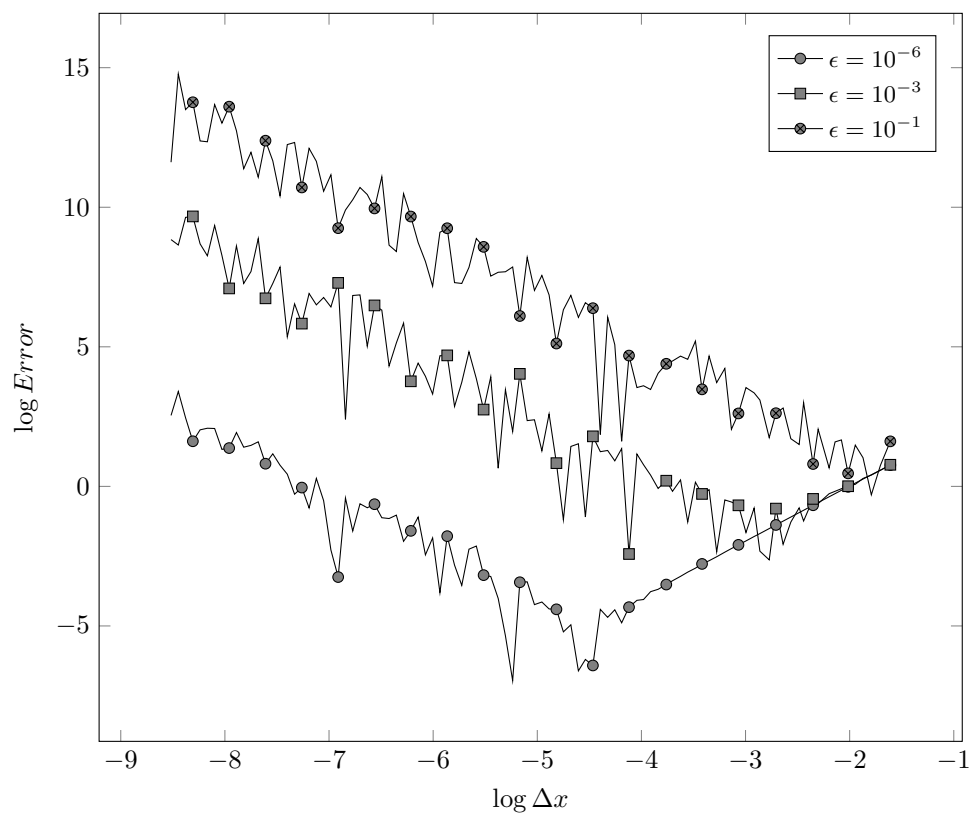
- (a) Error first derivative at $x = -1$.
- (b) Error first derivative at $x = 0$.
- (c) Error second derivative at $x = -1$.
- (d) Error second derivative at $x = 0$.



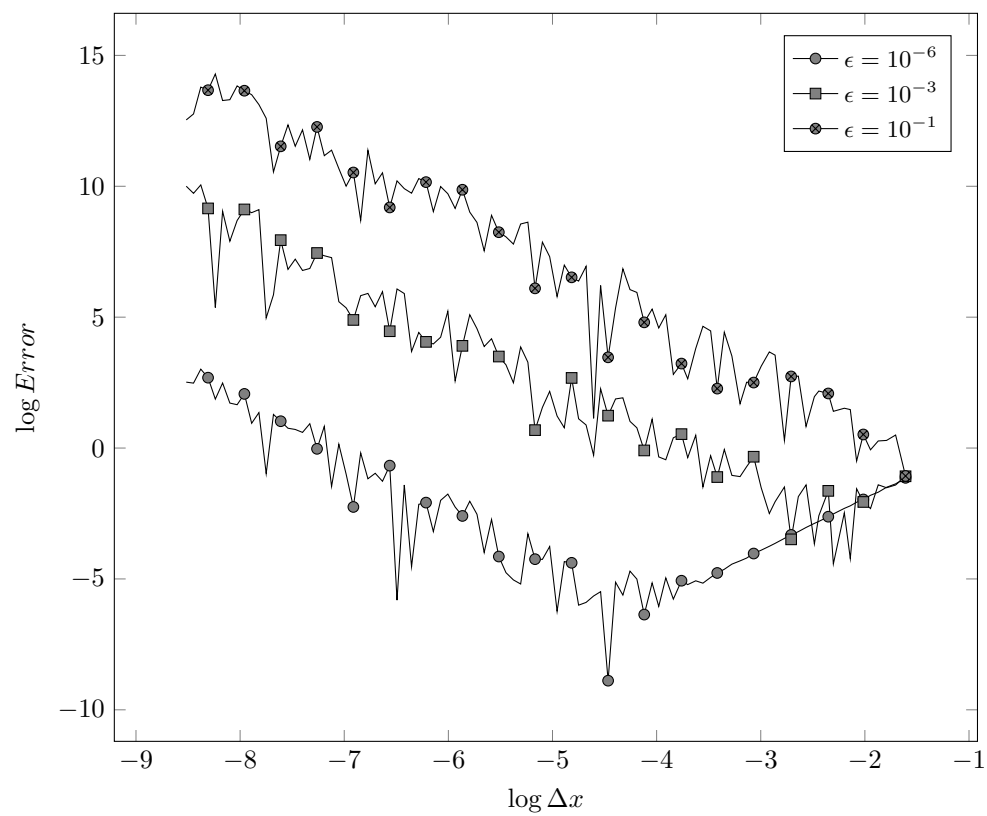
(a)



(b)



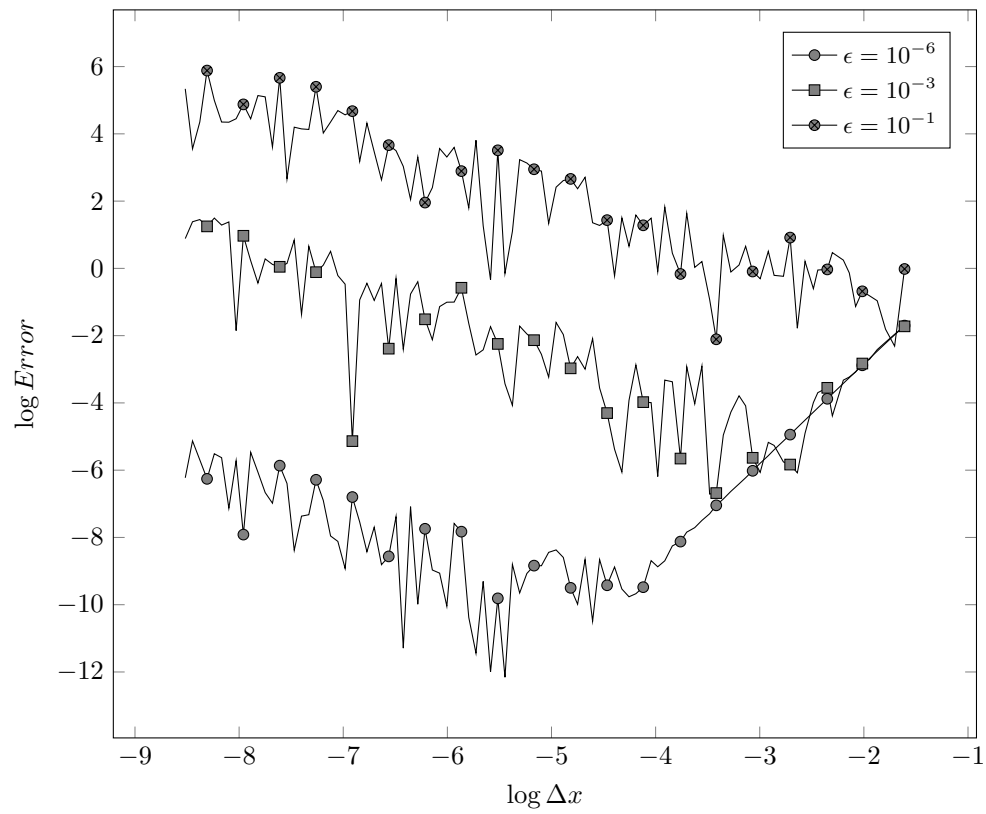
(c)



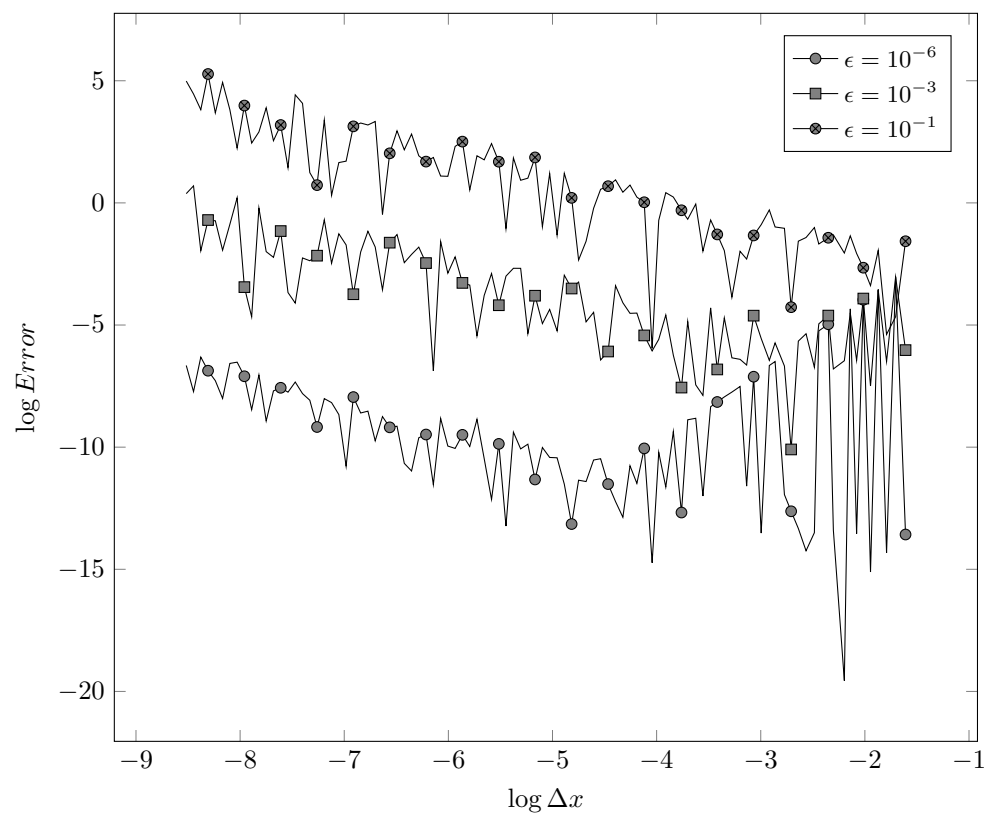
(d)

Five equispaced interpolation points.

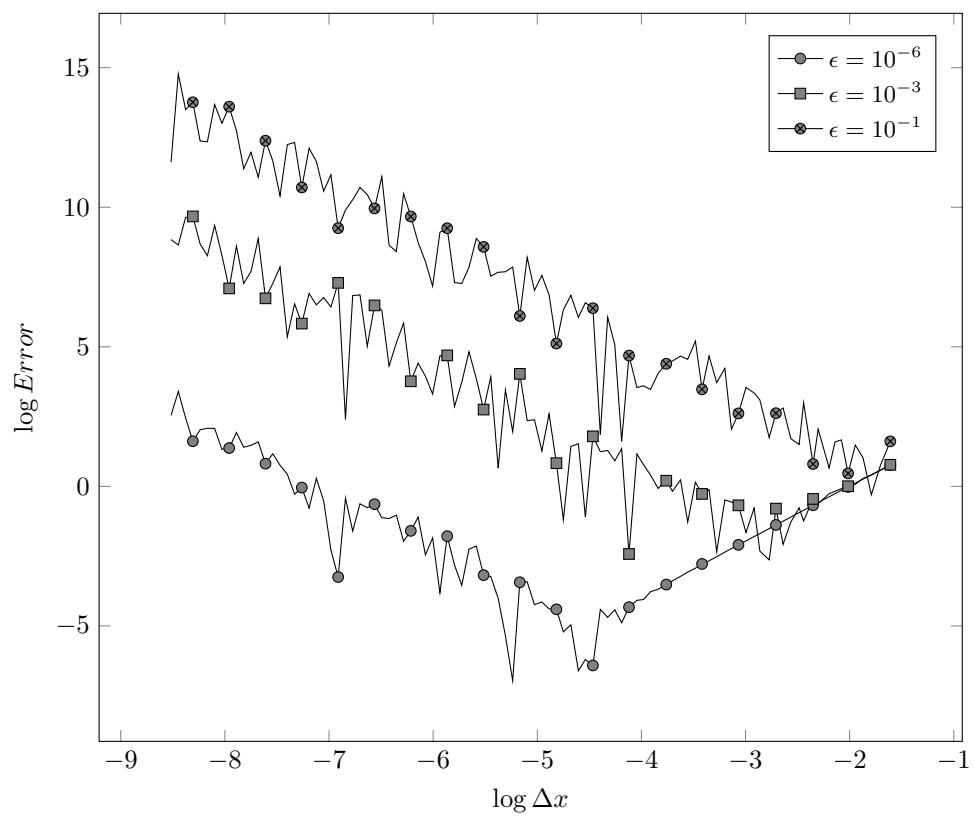
- (a) Error first derivative at $x = -1$.
- (b) Error first derivative at $x = 0$.
- (c) Error second derivative at $x = -1$.
- (d) Error second derivative at $x = 0$.



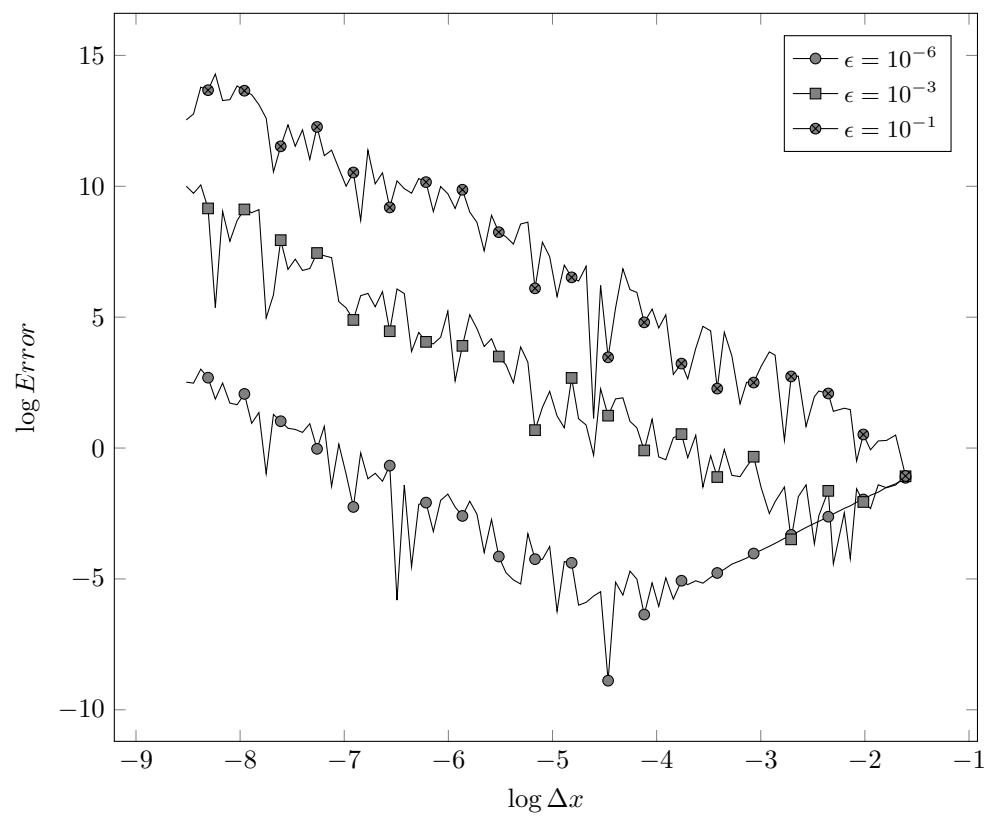
(a)



(b)



(c)



(d)