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# Newton's Method in 1D for rootfinding

1分

Suppose you want to find a point  $t$  where  $g(t) = 0$ . What would Newton's method be?

选项\*

- ☐  $t_{k+1} = t_k - \frac{g'(t_k)}{g(t_{k-1})}$
- ☐  $t_{k+1} = t_k + \frac{g'(t_k)}{g(t_{k-1})}$
- ☐  $t_{k+1} = t_k - \frac{g(t_k)}{g'(t_{k-1})}$
- ☐  $t_{k+1} = t_k + \frac{g(t_k)}{g'(t_{k-1})}$

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