

$$\lim_{h \rightarrow 0} \frac{f(x+h) - f(x)}{h}$$

Algorithm 2 An algorithm with caption

```

while  $N \neq 0$  do
   $N \leftarrow N - 1$ 
   $N \leftarrow N - 1$ 
   $N \leftarrow N - 1$ 
   $N \leftarrow N - 1$ 
   $N \leftarrow N - 1$ 
   $N \leftarrow N - 1$ 
   $N \leftarrow N - 1$ 
end while

```

$$\lim_{h \rightarrow 0} \frac{f(x+h) - f(x)}{h}$$