The Differential Of Some Function

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1) Original function:

$$f(x) = \sin(\cos(x))$$

2) Derivative:

$$f'(x) = 1 * (-\sin(x)) * \cos(\cos(x))$$

3) After the first optimization:

$$f'(x) = 1 * (-\sin(x)) * \cos(\cos(x))$$

4) This function has already been optimized twice:

$$f'(x) = (-\sin(x)) * \cos(\cos(x))$$

References:

1) *Kernighan B., Ritchie D.* The C Programming Language (second edition)
2) *Knuth D.E.* The Art of Computer Programming
3) *Lvovsky S.M.* Set and layout of the system LATEX