The convenience yield exists even in differential calculus

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Abstract

In this paper, I describe how the convenience yield exists even in differential calculus.

The paper ends with "The End"

Introduction

Unbeknownst to many mathematicians, the **convenience yield** exists even in differential calculus. In this paper, I describe how the convenience yield exists even in differential calculus.

The convenience yield exists even in differential calculus

Consider, for example, the function

$$f(x) = \sqrt{a + \sqrt{b + \sqrt{c + x}}}$$

where a, b, c are constants.

There are many methods to find f'(x). We consider two of them.

- 1. Using the chain rule on f(x).
- 2. Removing the outermost radical by squaring both sides and then using the chain rule on $f(x)^2$.

Both methods above give us the same answer, but the second method is more convenient than the first.

Therefore, we conclude that the convenient yield exists even in differential calculus.

The End