

このニュートンの手続き例の中の微美を見よ □

$$f(x) = x^5$$

$$f'(x) = 5x^4$$

$$f''(x) = 5 \times 4x^3 = 20x^3$$

$$f'''(x) = 5 \times 4 \times 3x^2 = 60x^2$$

$$f^{(4)}(x) = 5 \times 4 \times 3 \times 2x = 120x$$

$$f^{(5)}(x) = 5 \times 4 \times 3 \times 2 \times 1 = 120$$

$$f^{(6)}(x) = 0$$

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