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Calculus I - Proof of Various Derivative Properties

6. Conditional Derivations - A Concise Introduction to Logic

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$h)^n - x^n) / h = \lim_{h \rightarrow 0} (x^n + nx^{n-1}h + n(n-1)/2! x^{n-2}h^2 + \dots + nx^{n-1}h + h^n) - x^n) / h$. Calculus I - Proof of Various Derivative Properties This method is sometimes referred to as an application of the deduction theorem. In chapter 17 we will prove the deduction theorem. Here, instead, we shall think of this as a proof method, traditionally called "conditional derivation". A conditional derivation is like a direct derivation, but with two differences. 6. Conditional Derivations – A Concise Introduction to Logic Sometimes a simple proof is considered unsatisfactory on philosophical grounds. And people search for another proof, which can be more complicated than the original one. One example is Picard's theorem. The original proof was essentially two lines.

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