

$$f(x) = \sum_{n=0}^{\infty} \frac{f^{(n)}(a)}{n!} (x-a)^n$$

$$f(x) = f(a) + \frac{f^{(a)}(x-a)}{1!} (x-a)^n$$

Multivariate

$$\frac{2f(a,b,c)}{f(x,y,z)} = f(a,b,c) + (x-a) \frac{2f(a,b,c)}{2x} + (y-b) \frac{2f(a,b,c)}{2y}$$

$$+ (z-c) \frac{2f(a,b,c)}{2z}$$

$$+\left(z-c\right)\frac{2f(xb,c)}{2z}$$