http://drorbn.net/AcademicPensieve/Talks/MAASeaway-1810/one/Proofs_of_Taylor.pdf

Dror Bar-Natan: Academic Pensieve: Talks: MAASeaway-1810:

Proofs of Taylor Re "traithind sigh" mithod June 26, 2018 9:14 AM Crunemberto san the termin at The big rock] F/x) = F/x_0 + $\int F/x_0 dx_0$ $=F(X_0)+\left(\int_{X_0}^{X_0}f'(0)+\int_{X_0}^{X_0}f''(X_1)/X_2\right)dX_1=\ldots$ $= F(x_{0}) + \int_{x_{0}}^{x} dx_{1} \left[F'(0) + \int_{x_{0}}^{x} dx_{2} \left[F''(0) + \int_{x_{0}}^{x} dx_{3} \left[F''(0) + \int_{x_{0}}^{x} dx_{4} F''(1) (x_{1}) \right] \right] \right] = \dots$ $= \sum_{k=0}^{n} \frac{(x-x_{o})^{k}}{k!} f^{(k)}(x_{o}) + \int_{0}^{1} dt f^{(n+1)}(t) \cdot \frac{(x_{i}-t)^{n}}{n!}$ and have stated from the ind, by integrating f(17+1) on a simplex in two ways. Remore Fubini? $\int_{X} \int_{X} \int_{Y} f(x) = \int_{X} \int_{Y} \int_{Y} \int_{X} \int_{Y} \int_{X} \int_{Y} \int_{Y} \int_{X} \int_{Y} \int_{$ $\int_{-\infty}^{2} \int_{-\infty}^{\infty} dt F''(t).(x-t)$ start From this prof. Then. Re "high poht" m.th. 1. Too charl Discuss orign. 2. Uses Falinio 3. VSC Integrations RyPACE W/ MUT,