

$$= \int_0^z \int_{A^{-n}} f(x_1, \dots, u - \sum_{i=1}^n x_i) dx du.$$

$$\text{dem} = \int_{A^{-n}} f(x_1, \dots, \frac{z}{n} - \sum_{i=1}^n x_i) dx_i + \int \longleftrightarrow$$

each integral is ~~marginally~~ cts. so okay!
in \mathbb{Z}

i.e. as f is a Gaussian pdf.
and can bound z .

$$f(a|L) = \frac{f(a, L)}{f(L)}$$

$$E[L | \nabla f(t)]$$

is probably bounded

$$\int_T E[\cancel{s_\varepsilon(t)} s_\varepsilon(\nabla X(t)) \cancel{L}] 1_{[A]}]$$

$$= \int_T E[s_\varepsilon(\nabla X(t)) \underbrace{E[L | \nabla X(t)]}_{\text{bounded}}] \quad \|t - t_0\|$$

$$\left| \int_T P_{\nabla X(t)}(0) dt \right| = \int_T E[s_\varepsilon(\nabla X(t))] = \int_{\mathbb{R}^n} \underbrace{f_T P_{\nabla X(t)}}_{= P_{\nabla X(t)}}$$