

$$f: \mathcal{I} \longrightarrow \int_{|x|} \mathcal{I}_{x} W_{\xi} J_{\mu}(n)$$

$$S: \chi \longmapsto \sum_{j=1}^{|x|} \chi_{j} U_{j}(u)$$

n is the rule of hours. Let 
$$w_j^2 = \sum_{n=1}^{\infty} \chi_{nJ}(w) w_{nJ}$$

Therefore 
$$\sigma \circ \delta(\chi) = \sigma \circ \sum_{j \in I} \chi_j \sum_{n = 1}^{\infty} \chi_{h\underline{I}}(u) \overset{U_{h_j}}{\downarrow}$$

$$= \sigma \circ \sum_{n = 1}^{\infty} (W^n \chi)_n \chi_{h\underline{I}}(u) . \quad \forall u \in \underline{I}_{\ell}$$

Let 
$$W_0 = \sum_{n,j} \chi_{n,j} (u) W_{n,j} (w_n) \in |\mathcal{T}^{(n)} \otimes \mathcal{R}$$
.

Therefore  $\overline{h} \circ \sigma \circ \delta = \sum_{n,j} \chi_{n,j} (u) W_{n} \sum_{n,j} (w_n) \chi_{n,j} (w_n) d\mu$ 

$$= \sum_{n,j} \chi_{n,j} (u) W_{n} d(w_n) \chi_{n,j} d\mu(h)$$

$$= \sum_{n,j} W_{n,j} d(w_n) \chi_{n,j} d(w_n) \chi$$

Now we derive a continuous parameteritation of 1

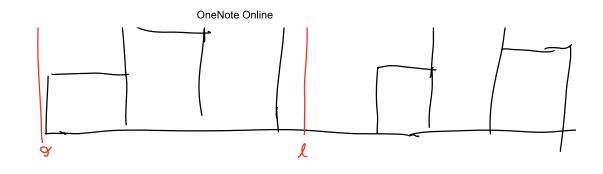
by changy the integral of integration weight Suppose WEREAR'S then, Op [D] is conjural  $\mathcal{D}(x; W, W, \ell) = \int_{0}^{\ell} \sum_{i=1}^{\infty} \chi_{i}(u) w_{i} \cdot g'(u) d\mu(u).$ 3, I(D(x; w', e))= 21 25 Thus  $\frac{\partial y^2}{\partial x} = \frac{\partial}{\partial x} \int_0^x \sum_{n=1}^n x_{n} v_n' \cdot y'(n) d\mu(n).$  $= \sum_{n=1}^{\infty} \chi_{n}(\ell) \, U_{n} \, g'(4) \, d\mu(4).$ 

= Wky (l) = Wk Q (l) = Wh Q (l)

Olog so:

J (7)

 $(Wx) \qquad (Wx)_{2} \qquad (Wx)_{3} \qquad (Wx)_{4} \qquad (Wx)_{5}$ 



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Using the intuition, we want to assume focus where a gradient still exist direction.

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