G
G
$|G|$ experiment.pdf Interactive mode execution of incremental inference with s of different sizes
G
$|G| =$
16
?? incremental inference
kernel_impl.pdf Custom GPU Kernel integration architecture
??
??
1
one_example1-D illustration of special cases for which actual output size will be smaller than the value given by Equation (??).(a)
an
??
??
??
??
?? $^{\mathcal{O}}_{\mathcal{P}} + W^{\mathcal{O}}_{\mathcal{P}} >$
$W_{\mathcal{O}}$:
$x^{\mathcal{O}}_{\mathcal{P}} =$
$W_{\mathcal{O}} -$
$W^{\mathcal{O}}_{\mathcal{P}}; x^{\mathcal{I}}_{\mathcal{P}} =$
$W_{\mathcal{I}} -$
$W^{\mathcal{I}}_{\mathcal{P}}; x^{\mathcal{R}}_{\mathcal{P}} =$
$W_{\mathcal{I}} -$
$W^{\mathcal{R}}_{\mathcal{P}}$
n
?
$u(t)$
$\{ 1, t = 0$
$0, t \neq 0$
$t = 0, 1, -1, 2, -2, ...$
$v(t)$
k
$\sum_{m=0}^{k-1} w(m) \delta(t - m)$
$w(m)$
m^{th}
$\sum_m w(w) = 1$
n^{th}
$o(t)$
$o =$
$u *$
$v *$
$v.*$
u
n
v
$\omega) = \sum_{t=-\infty}^{\infty} u(t) e^{-j\omega t} =$
$1, V(\omega)$
$= \sum_{t=-\infty}^{\infty} v(t) e^{-j\omega t} =$
$\sum_{m=0}^{k-1} w(m) e^{-j\omega t}$
o
$\omega) =$
$U(\omega).V(\omega)^n$
$= \left(\sum_{m=0}^{k-1} w(m) e^{-j\omega t} \right)^n$
$$\frac{}{2\pi \int_{-\pi}^{\pi} \left(\sum_{m=0}^{k-1} w(m) e^{-j\omega t} \right)^n e^{j\omega t} d\omega}$$
$o(t)$
$e^{-j\omega t}$
?
$\sum_m w(m) = 1$
$w(m) \geq 0 \forall m$
$n =$
$t)$
$where S_n = \sum_{i=1}^{n} X_i and p(X_i = m) = w(m)$
$n \rightarrow \infty$
$\sqrt{n}(\frac{1}{n} S_n - E[X]) \sim$
$\mathcal{N}(0, Var[X])$
$S_n \sim$
$\mathcal{N}(n E[X]), n Var[X])$
$o(t) =$
$p(S_n =$