: (1° ۲°) •

\pr{10^{2^2}} % pr{expression}: places parantheses around the expression

 $:\langle u,v\rangle$  •

\inn{u,v} % inn: used for inner product

$$\left| \int_{\circ}^{1} dx = x \right|_{\circ}^{1} = 1 \bullet$$

\int\_0^1dx = x\on{1}{0} = 1 % on: used at the end of integral to
indicate the difference of an expression on two values

 $: x \in \mathbb{R}, n \in \mathbb{N}, t \in \mathbb{Z}^+, u \in \mathbb{Z}, y \in \mathbb{R}^+ \bullet$ 

x  $\in \R$ , n  $\in \N$ , t  $\in \Zp$ , u  $\in \Z$ , y  $\in \Rp$  %  $\R$ ,  $\N$ ,  $\Zp$ ,  $\Z$ ,  $\Rp$ : set of real numbers, natural numbers, positive integers, integers and positive real numbers respectively.

 $:\mathbb{E}[x] \bullet$ 

\E[x] % \E: expected value

 $: xyzt + \overline{xyzt} = \mathsf{Y}\mathrm{Re}(xyzt) \bullet$ 

xyzt + \conj{xyzt} = 2\mathrm{Re}(xyzt) % \conj{a}: shows conjucate
of a

$$: \frac{\partial f}{\partial x} = \frac{\partial g}{\partial y} = \frac{\partial}{\partial z} (z) \bullet$$

\rond{f}{x} = \rond{g}{y} = \cancelto{0}{\rond{}{z}(z)} % \rond{a}{
b}: partial derivative of a wrt b