

$$\int_{\mathbb{R}^{k}} \int f_{x_{i-1}, y_{k}}(x_{i_{1}, \dots, x_{n}}) dx_{i_{1}, \dots} dx_{k} = 1$$

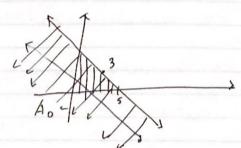
$$\begin{array}{c}
\text{If } \xi = 2 \\
\text{PCZ} \in A
\end{array}$$

$$= \int \int \int_{x_{1}}^{x_{2}} (x_{1}, x_{2}) dx_{1} dx_{2} \\
f_{x_{1}}(x_{1}, x_{2}) dx_{1} dx_{2}$$

$$\Rightarrow \int \int f_{x_1,x_2}(x_1,x_2) dx_2 dx_1$$

$$= \int \int f_{x_1,x_2}(x_1,x_2) dx_2 dx_1$$

$$x_1 \in \mathbb{R} \quad x_2 \in (-\infty, +-\infty)$$



$$f_{T}(t) = \int_{x \in \mathbb{R}} \int_{-\infty}^{t} f_{x_{1}} x_{2} (x, t-x) dx dx$$

$$f_{T}(t) = \int_{dt}^{t} \int_{x_{1}}^{t} f_{x_{1}} x_{2} (x, t-x) dx = \int_{\mathbb{R}} \int_{x_{1}}^{t} f_{x_{2}} (x, t-x) dx$$

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$$\int_{2}^{1} f(x) \int_{2}^{1} f(x-x) dx = \int_{2}^{1} f(x) \int_{2}^{1} f(x-x) \int_$$

$$f_{\tau}(t) = \int_{0}^{\infty} (\lambda e^{-\lambda t}) (\lambda e^{-\lambda t} f_{t-x} e^{-\lambda t}) dt = \int_{0}^{2} e^{-\lambda t} \int_{0}^{1} dx dx$$

$$= \lambda^2 e^{-\lambda t} \int_0^t dx$$

$$f_{r_s(t)} = \int_0^\infty (xe^{-x}) ((t-x)) \lambda^2 e^{-\lambda(t-x)} \int_{x=t}^{\infty} dx$$

=
$$\lambda^3 e^{-1+} \int_0^1 (t-x) dx = \frac{t^2}{2} \lambda^3 e^{-1+t}$$

$$f_{T_4}(t) = \int_0^\infty (xe^{-tx}) \frac{(t-x)^2 \lambda^3 e^{-t} + 1}{2} dx$$

= $\frac{\lambda^4 e^{-t}}{2} \int_0^t$