If h<1 We have:
$$(x-k, x+h-k)$$
 雨雨衣复 $+\infty$ 从而 $\lim_{h\to 0} \sum_{k=0}^{2} |P_2| \{\eta \in (x+k, x+h-k)\} = 0$ => Fbx) 莲纮 $(x+k) = \frac{1}{4} [x+k] = \frac{1}{4}$

- C (3t2-b)4int - (t3-6t) cost] (5in5-5cos5)

1b.
$$(3,7)$$
 density: $p(x,y) = \frac{1}{4} [1 + cxy (x^2 - y^2)]$

(1)
$$f(s,t) = \int_{-1}^{1} \int_{-1}^{1} e^{i(sx+ty)} p(x_1y) dxdy =$$

$$= \frac{\sin s \sin t}{s} + \frac{c}{s + 2} \left[(3s^2 - 6) \sin s - (5^2 - 6s) \cos s \right] (\sin t - t \cos t)$$

(2)
$$P_1(x) = \int_{-1}^{1} \frac{1}{4} \left[\frac{1}{4} \left(\frac{1}{4} \left(\frac{x^2 - y^2}{2} \right) \right) dy = \frac{1}{2} \right]$$

$$f_1(5) = \int_{-1}^{1} e^{i5\pi} \frac{1}{2} dx = \frac{5in5}{5}$$

$$f_{z+\eta}(t) = \int_{-z}^{z} e^{itz} p(z) dz = \frac{(\sin t)^{2}}{t}$$

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$$= P(X) = \frac{1}{2\pi} \int_{-\infty}^{+\infty} e^{-itx} f(t) dt = \frac{1}{\pi} \frac{d}{x^2 + d^2}$$
(2)
$$\frac{1}{(1-d)t} = [1 + dit + (dit)^2 + \dots]^B$$