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g f(x)

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$$\mu(A) = \int_A \frac{dx}{\pi(1+x^2)} \quad (1)$$

$$\underbrace{(\mu \times \mu \times \dots \times \mu)}_N((x_1, x_2), (y_1, y_2)) \xrightarrow{N \rightarrow \infty} \int_a^b \exp\left(-\frac{x^2}{2}\right) \frac{dx}{\sqrt{2\pi}}$$

$$J_d^2(\mathbb{R}) = \int_{\mathbb{R}^{d-1}} \int_{\mathbb{R}} e^{i\mathbf{x}\cdot\mathbf{y}} d\mathbf{y} dy \quad (2)$$

$$J_d'' + \frac{d-1}{x} J_d' = J_d \quad (1c)$$

$$J_3(x) = \frac{\sin x}{x} \quad (2)$$

$$\lim_{d \rightarrow \infty} J_d\left(\frac{x}{\sqrt{d}}\right) = \exp(-x^2/2) \quad (2)$$

$$t^{-1/2} \sum_{n \geq 0} \#(Z^2 \cap B(0, \sqrt{n})) e^{-\pi n/t} = t^{1/2} \sum_{n \geq 0} \#(Z^2 \cap B(0, \sqrt{n})) \cdot e^{-\pi n/t} \quad (3)$$

$D \rightarrow \mathbb{R}^2 \setminus \{0\}$   $g$   $\nu \in L_2(\mathbb{T})$   $\omega$   $(4)$   
 $\nu \in L_2(\mathbb{T}) \rightarrow g(re^{2\pi i x}) \rightarrow f(\omega)$   
 $f(n) = 0$   $p_1$   $g(z) = \sum_{n \geq 0} f(n) z^n$

$f \in L_2(\mathbb{T})$   $(5)$   
 $\int_0^1 \log |f(\omega)| d\omega > -\infty$   $\limsup_{n \rightarrow +\infty} |f(n)|^{1/n} < 1$   
 $\int_0^1 \log |f(\omega)| d\omega > -\infty$   $\limsup_{n \rightarrow +\infty} |f(n)|^{1/n} < 1$

$g \in H^2(D)$   $(6)$   
 $\|g\|^2 = |g(0)|^2 + 2 \iint_D dx dy |g'(x+iy)|^2 \log \frac{1}{|x+iy|}$