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	- A grant was to
De	Privalec 1) = AD + E (AK LOS (27KY) + BK Sin (27KY)) 2
TU	1) = AD + & (A1 (OS (27/7) + D)
	D K= 1
	= Q (f(1) cos (-21k) di
H	$\frac{1}{L} \int f(1) \cos\left(-\frac{2\pi L^2}{L}\right) dt$
	$\frac{1}{2}$
B	$x = 2 \int f(x) \sin\left(\frac{2\pi kx}{L}\right) dx.$
90	rer product
C	f(x) = f(x) =
	$f(x),g(x) > = \int f(x) \overline{g}(x) dx.$ $f(x) = \int f(x) \overline{g}(x) dx.$
	V-1
II / nv	moles tourer lener
I FG	$x) = \sum_{k=-\infty}^{\infty} (re^{iky} = \sum_{k=-\infty}^{\infty} (d_k + i\beta_k) (cos(kx) + isin(kx))$
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,	ing hat function
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US	ing phythen:
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- cen	npute Fourier sero
Cau	ruer strues and Gibbs Phenomenon:
T COU	ining function L=0-10 N=1024.
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- CAN	$\mathbf{M}_{\mathbf{c}}$
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