1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Paga No.
	Date
2)	Consider two 2D signals f(n,y), g(n,y)
	I) Consider both 1(2,18) and g(2,18) are continuous 2D signeds in
	a continuous domain.
	(E) (max)
	Since correlation of fand gris given by
204 11W	19 (u,v) = 5 5 f(x,y) g(u+x,v+y) dx dy
100	
7	50 1001381 Tromstorm of (f(x1/3))5 -2713704
	F(u,v)= [f(n,y) is e-211/10y dady -(2)
	Consider Convolution of f and g
	(19)(212) = [(1 (n14) +) (n14)) c-21154x e-21114y
Ather A	-0 -0 -0 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1
	Think with the state of the sta
是 東京 東京 東京 東京 東京 東京 東京 東京 東京 東京	$(4 \oplus 9)(u,v) = \int \int (4(u,v)) \oplus 3(u,v) \int (2u,v) $
er er	= f(i,i) g(x+i,y+j,) didj,) e-znjux e-znjuy dnag
	- N - N (K) - (K)
	Interchanging integraly ((un + 10 y) dxdy)
	= 1 1 (11) (1) (11) (1) (1) (1) (1) (1)
2	Replacing notices of , y + jay y)
111	dy=dx', dy=dy' as x > aax' > a y > a = y' - a
M. J. C.	1111
	= [f(i,i)(f)(g(x',y')) e-2111(u(x'-1)+0(y'-j))dx'45')
700	-0 - didy
The la	- [[(i) ([] (g(n',y') e-2nj(21x'+10)) dn'dy') e^{2nj(n'+j)} didg
	From (2) this tum is Gr (11,19)
	From 2 the tumis ((u,19) = ((i,i) & G(u,19) . ezti(ui+vii) didi,
	20 20



