Aven 20 21Xil has a cts pof. F[LINF(t)] = Z F[IXIU] | 77f(t) L= > 1X0 $f(t) = \sum_{i} K(t-i) X(i)$

 $f(t) = \sum_{L} K(t-L) X(L)$ $= |\nabla f(t)| = \sum_{L} \nabla K(t-L) X(L)$ So X(L), $\nabla f(t)$ is jointly Gaussian.

So F(IXIL) [7f(t)] is finite.

So X(L) [7f(t)] is Gaussian. do

has finite first moment/