- Commutator freq. is the (generally) H. C. F of the m Comung rates / reg. Sampling rates.

Dutput of the Commutator is a multiple of the highest mooning rate | req. sampling rates.

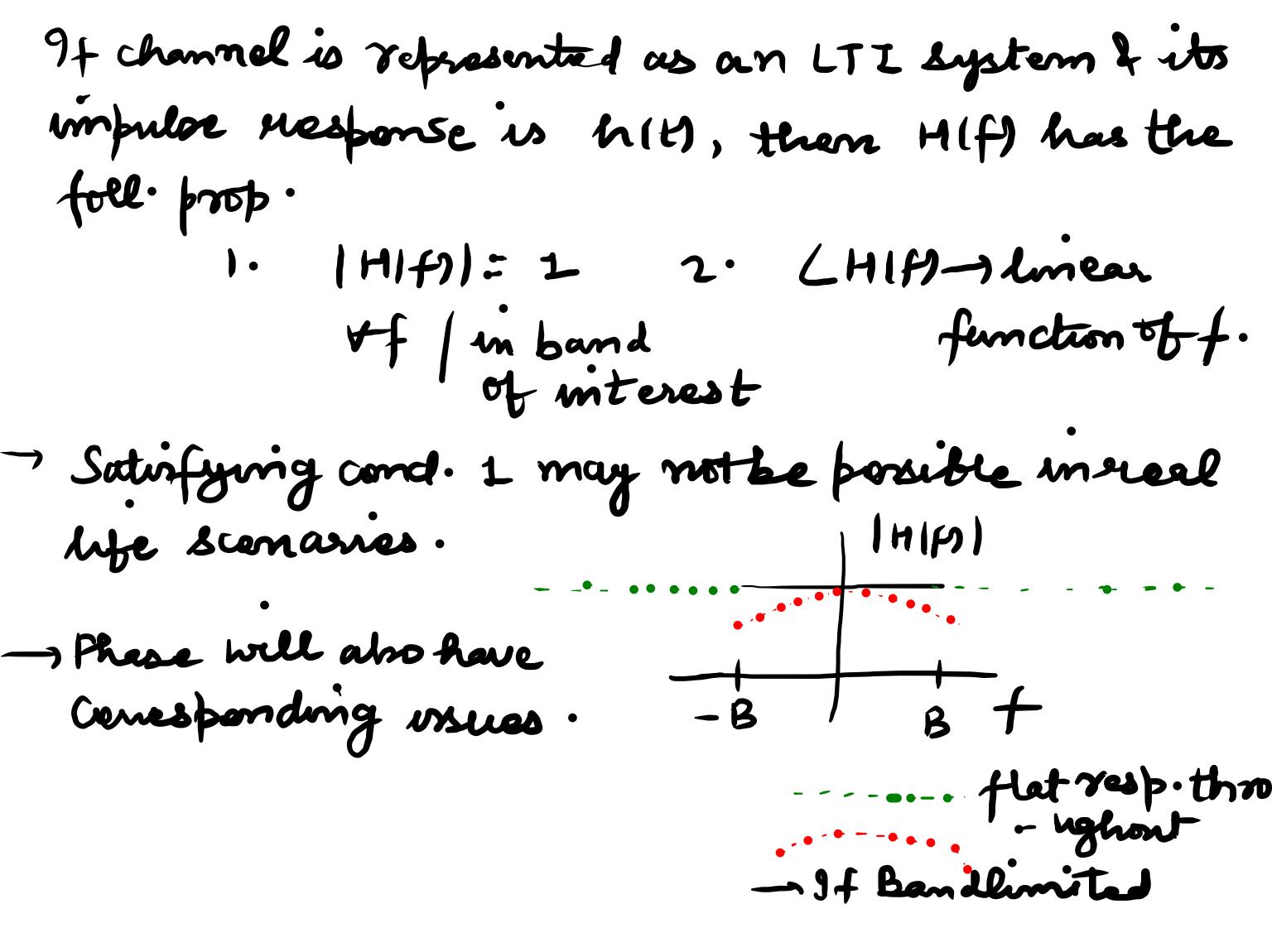
Pulse stuffing as an idea.

- 4kb/s Ts,
- 4kb/s Ts, 7 In the donign, efficiency is 8 Kbbs Ts3 paramount & any possible 18000 S_3^{1} S_3^{2} S_3^{3}

derign won't work.

Next module: - Intersymbol Interference (15.1)

mativation: - Until now, we have assumed the channel tibe distertionles (DL).



Example 3.14 (Lathis Ding) A Up fetter transfer function H(f) is gwen by H(f) = S (1+1cos 2rrfT) e-12rrftd, 1f1<B A pulse get) BL to BHz is applied at the input of this fetter. Finis the authorst yet. Ano: Y(f) = G(f)H(f) = G(f) TT[f|2B)(1+Kcos(2nfT)) $= G(f) e^{-j2nftd}$ $= G(f) e^{-j2nftd}$ $= G(f) e^{-j2nftd}$ $+ K[G(f) coo 2nfT] e^{-j2nftd}$ $= G(f) e^{-j2nftd$