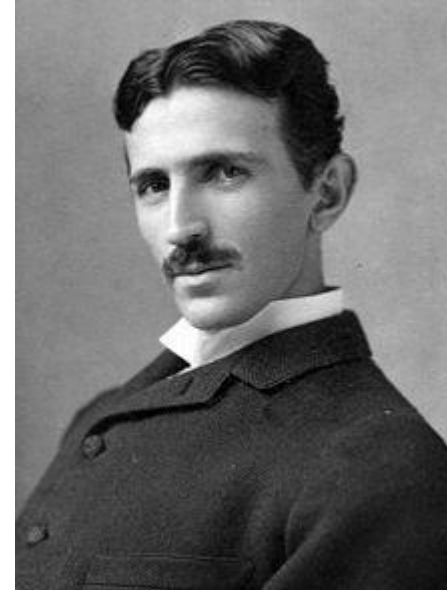


“Today’s scientists have substituted mathematics for experiments, and they wander off through equation after equation, and eventually build a structure which has no relation to reality.”

-Nikola Tesla, *Modern Mechanics and Inventions*,
July 1934



Three Little Things

stack the packets
as best as you can

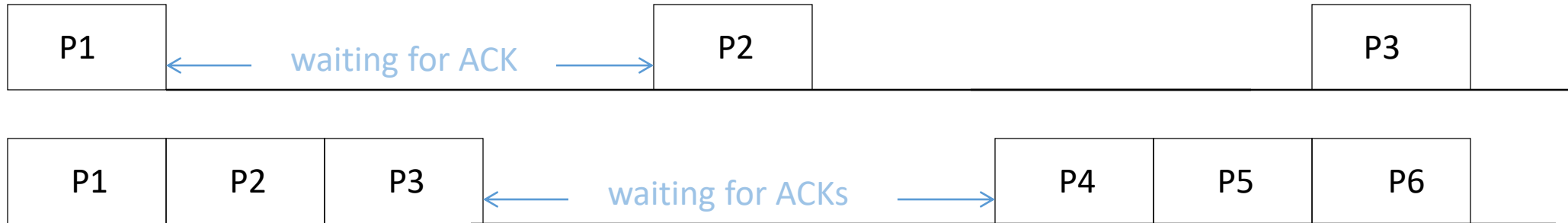


use the array to push things
where they belong

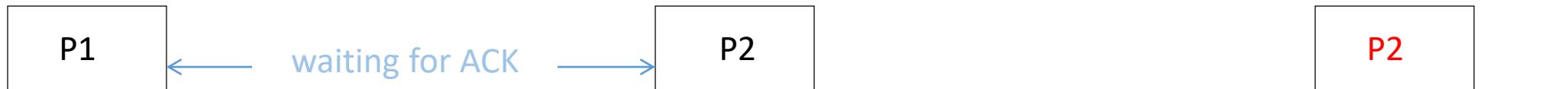
glue the frequencies so
they don't fall apart

Milica Stojanovic
Northeastern University
Boston, Massachusetts

Stack the packets

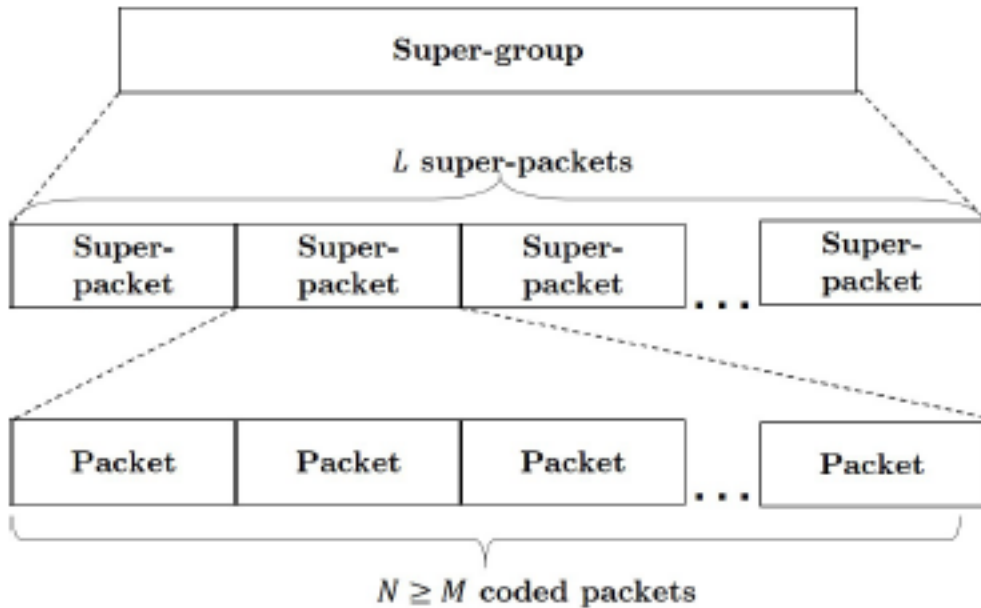
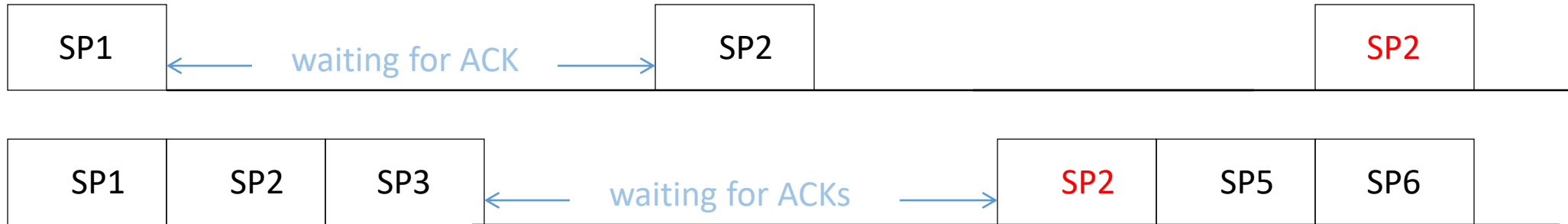


Stack the packets



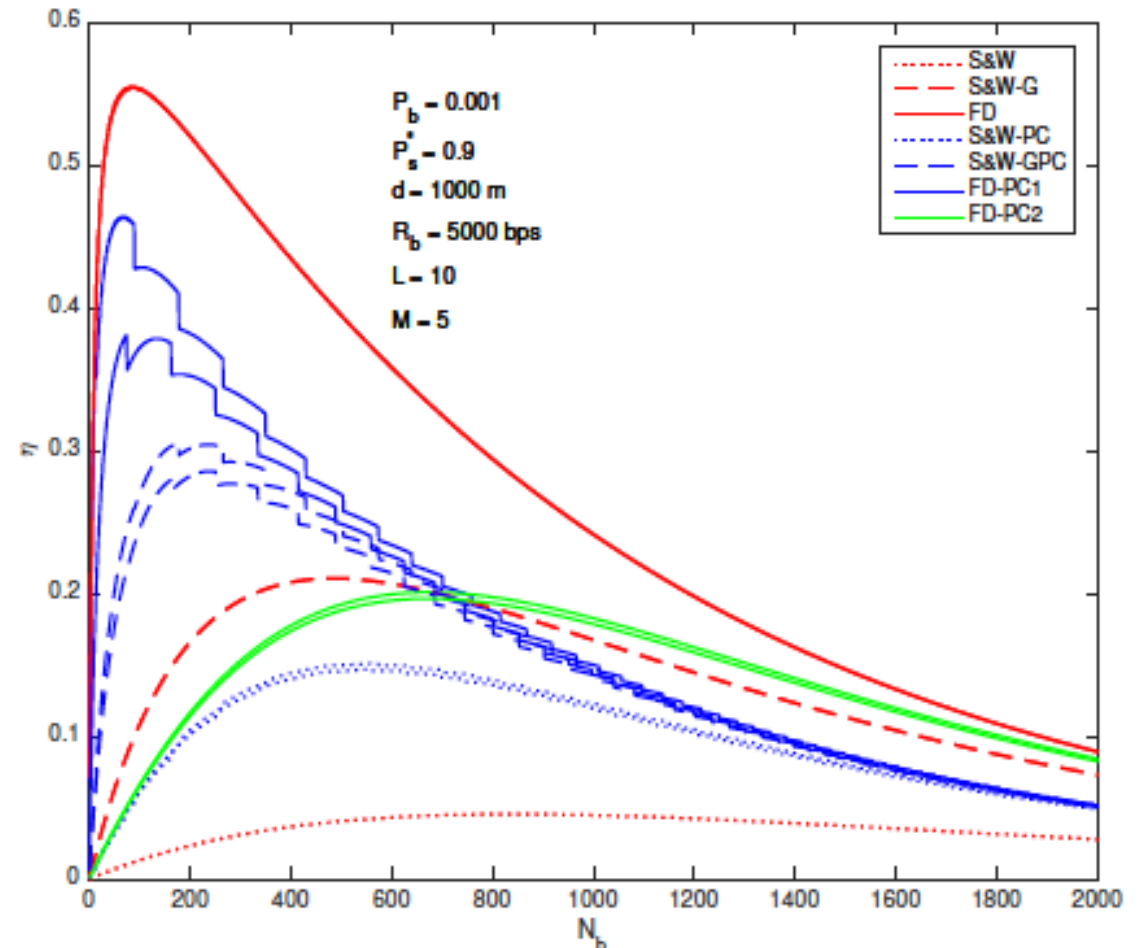
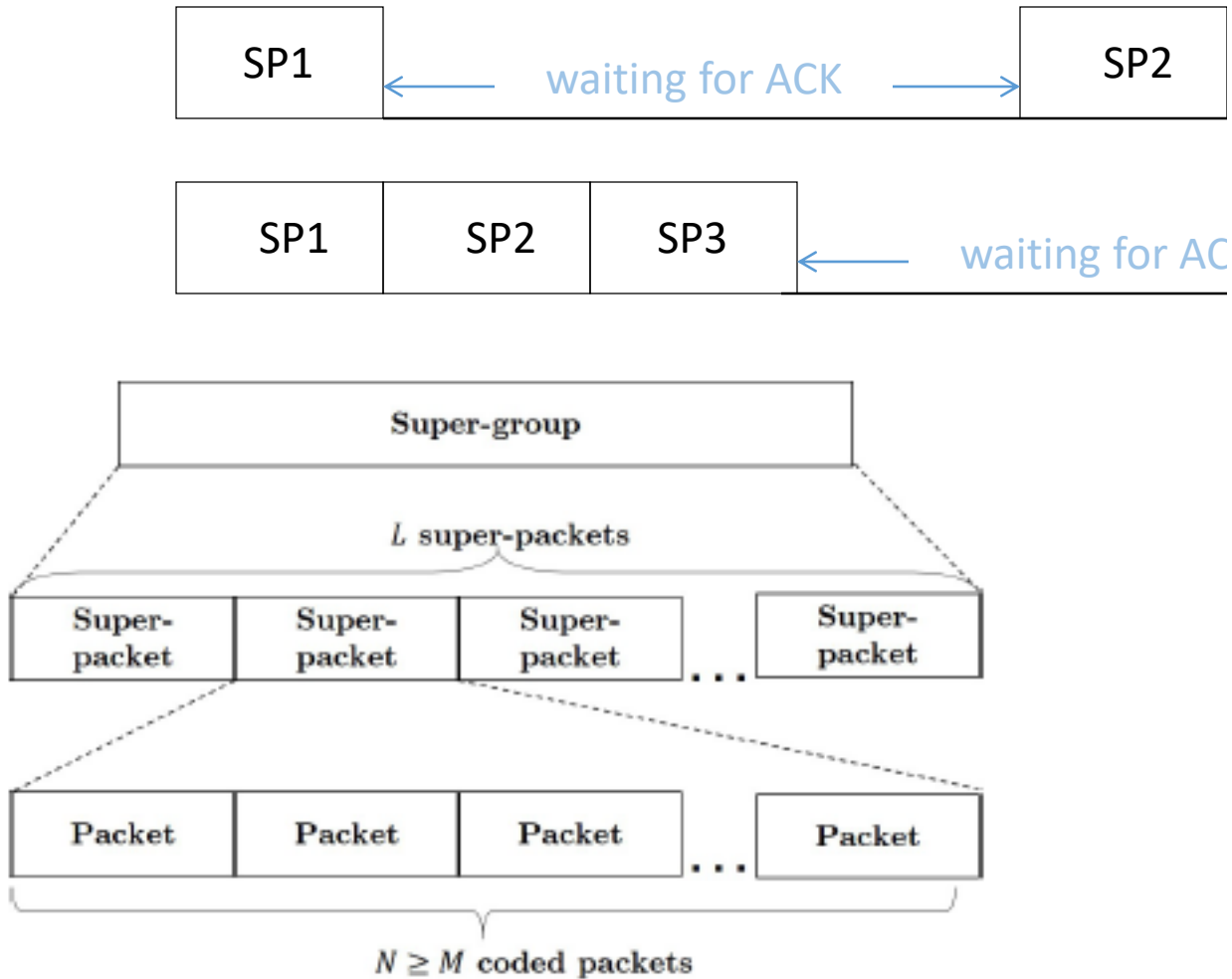
This improves the performance (throughput) vis-à-vis delay. It still suffers when packet loss is frequent.

Stack the super-packets



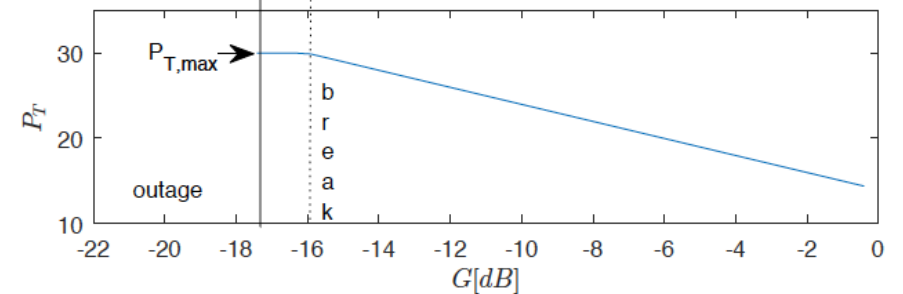
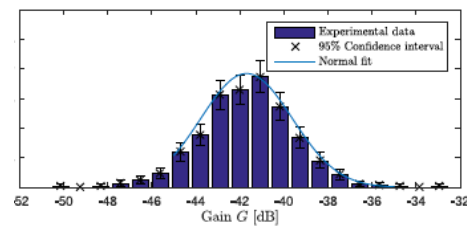
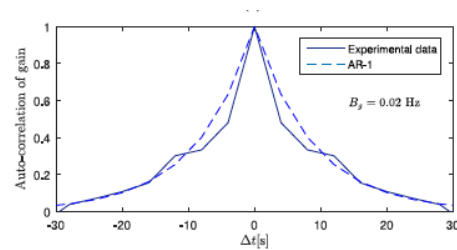
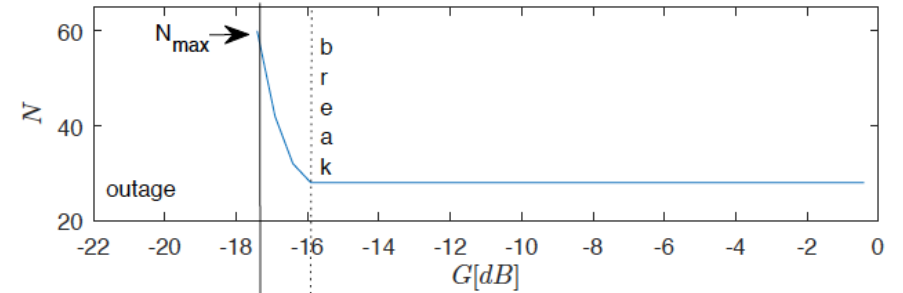
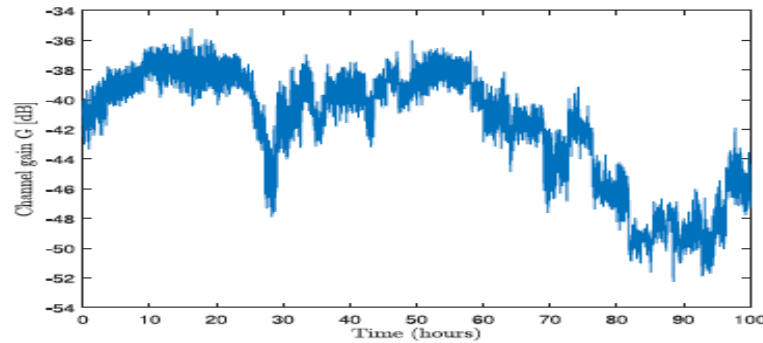
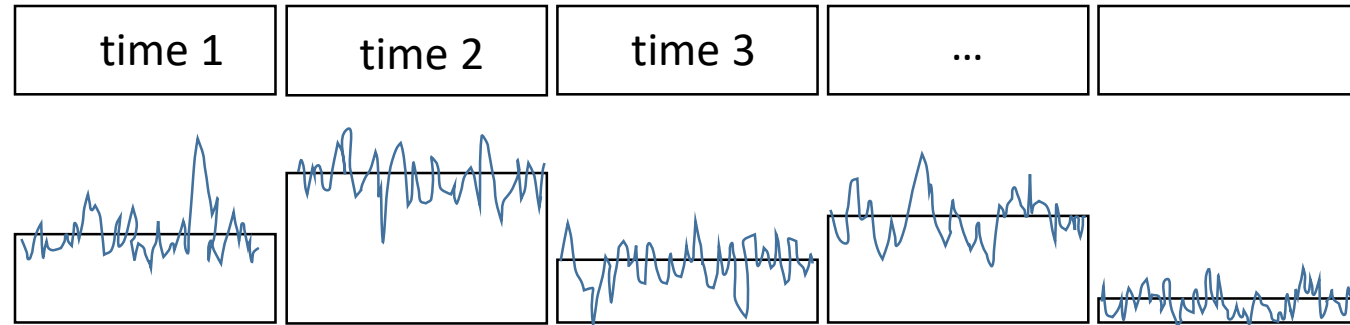
Packet loss is now replaced by super-packet loss, but that is controlled through packet coding.

Stack the super-packets

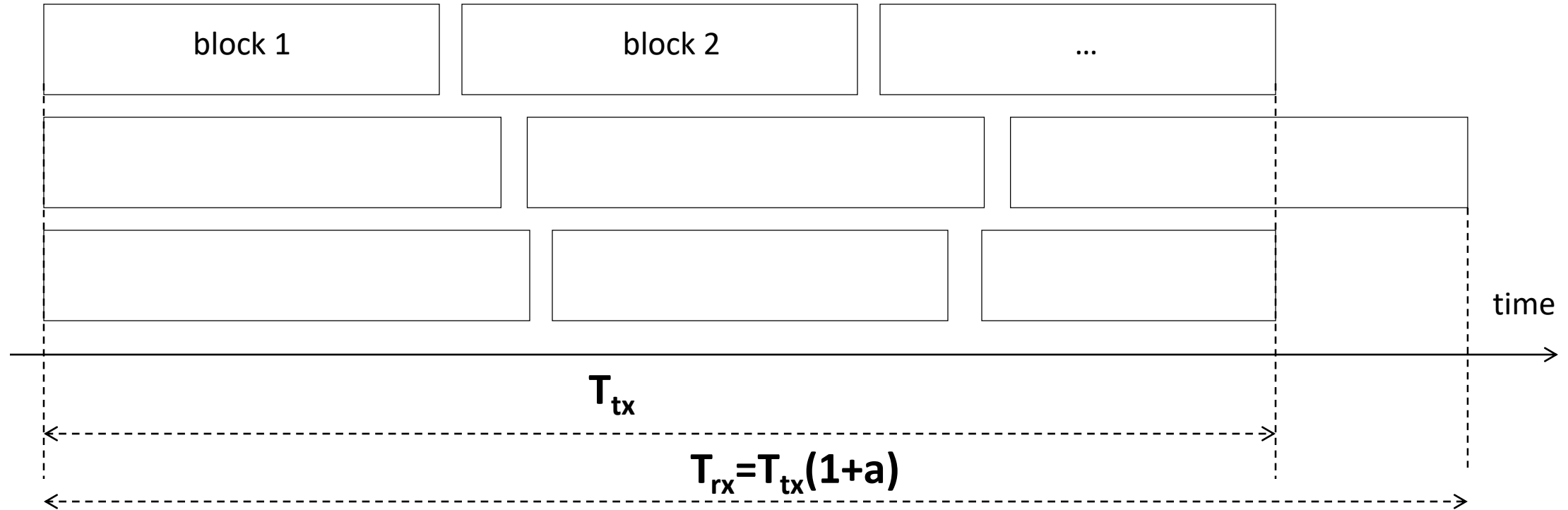


GPC outperforms all half-duplex alternatives.

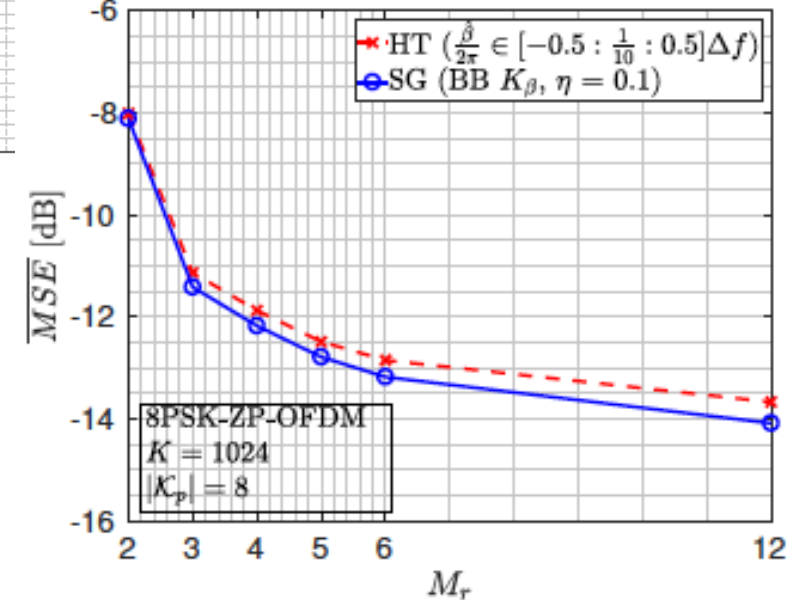
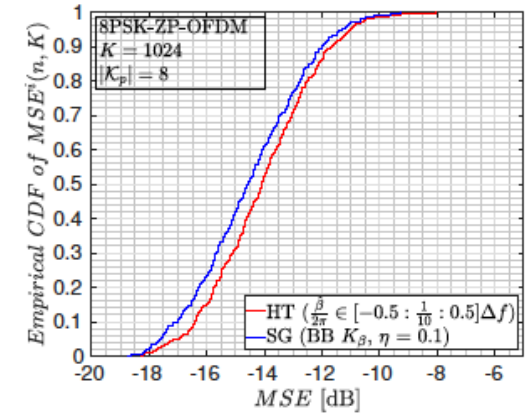
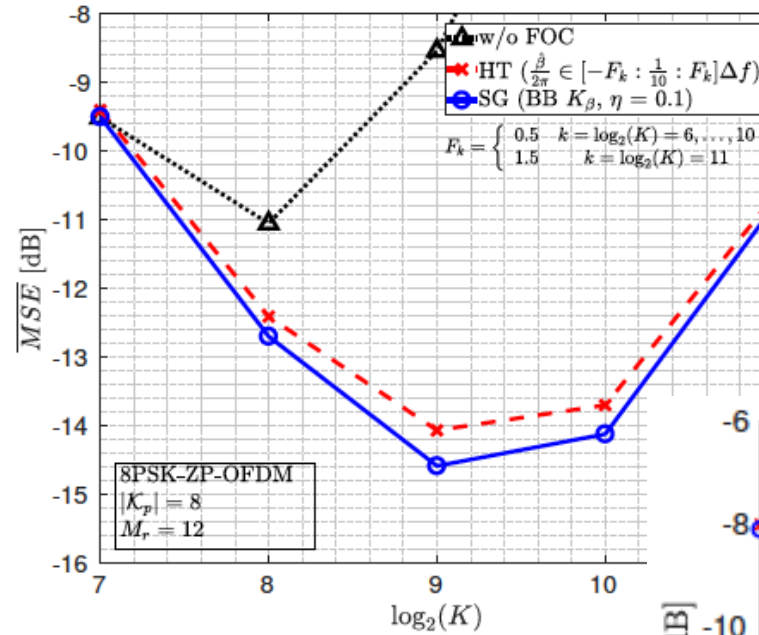
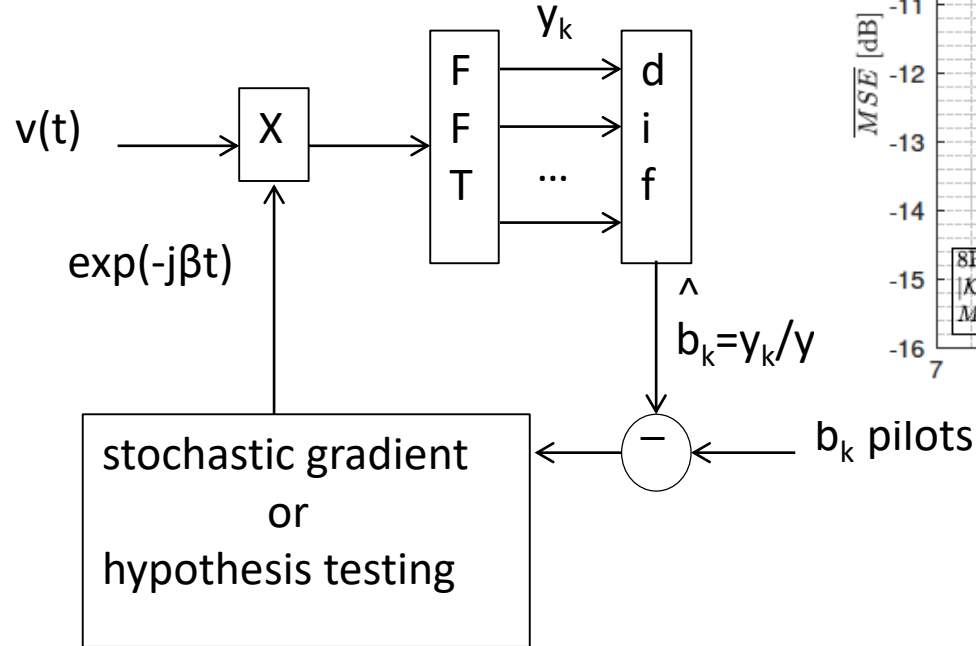
...and the big good feedback...



Glue the frequencies



Glue the frequencies



Simple solutions are often the best.

Use the rake

