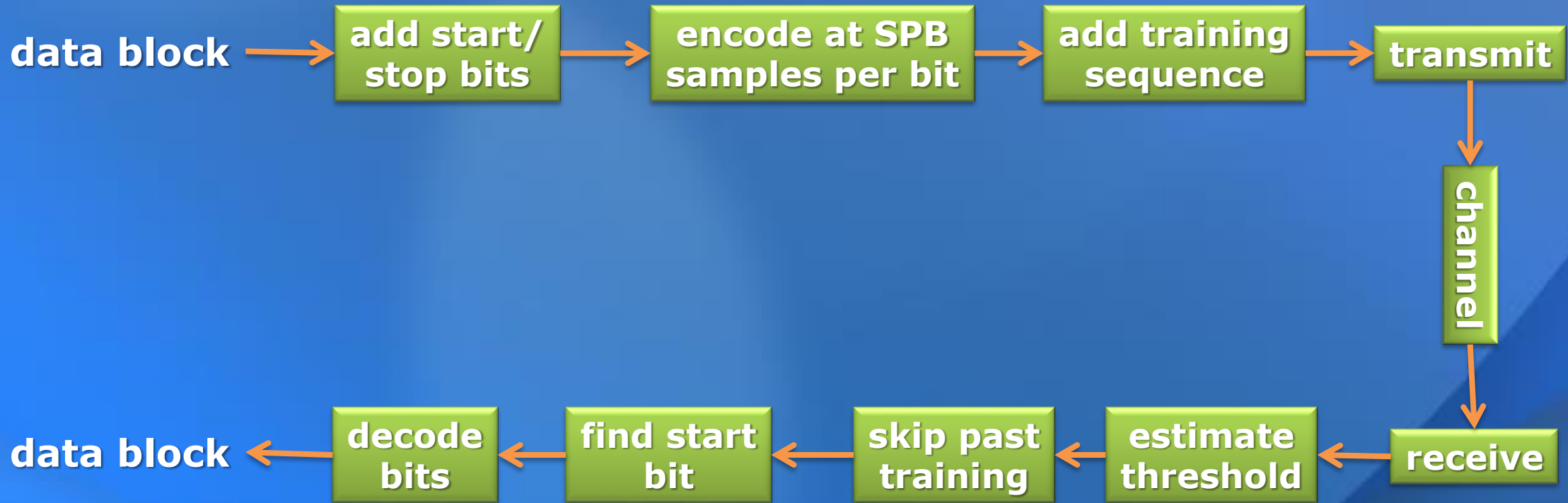
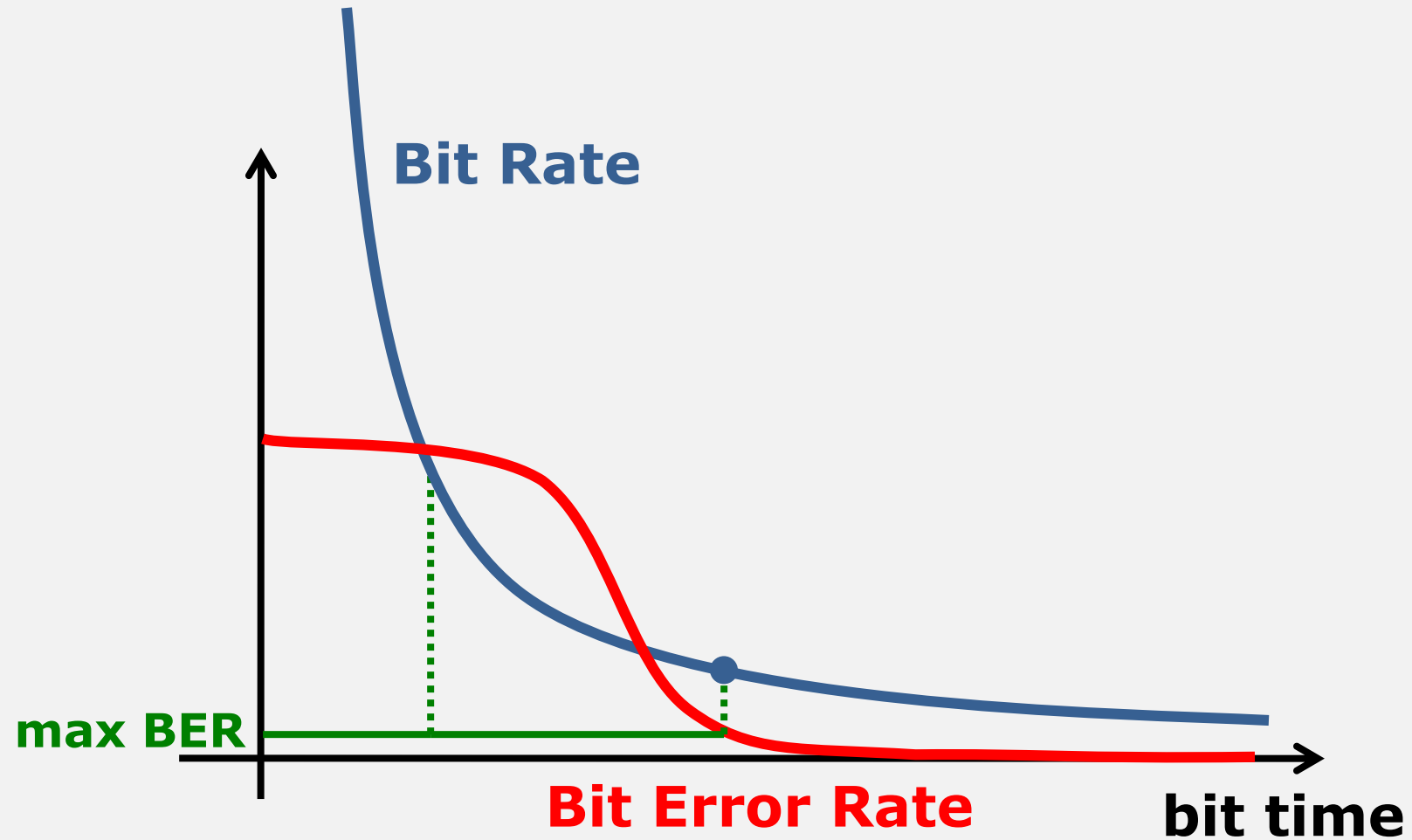


Equalization

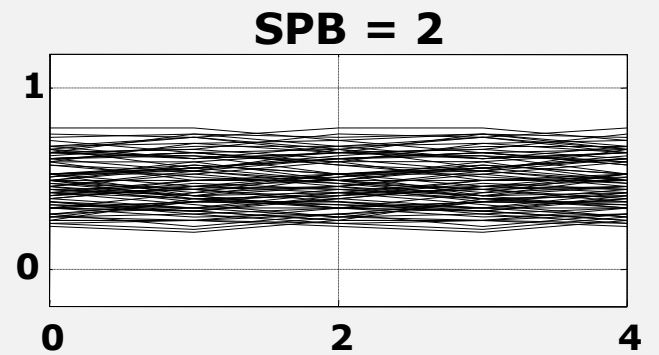
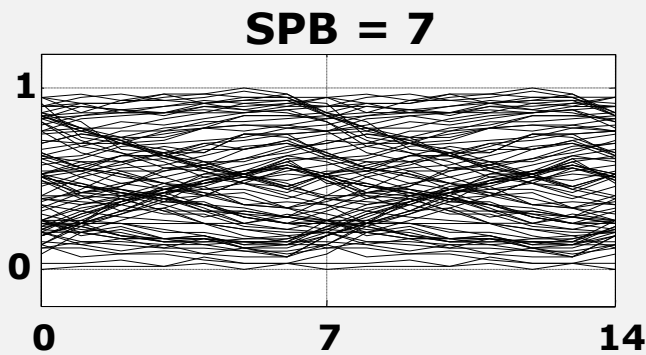
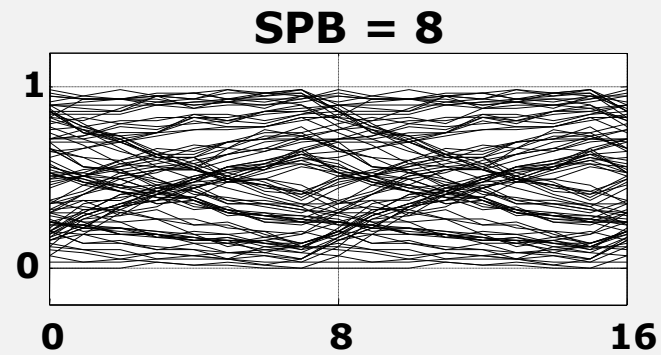
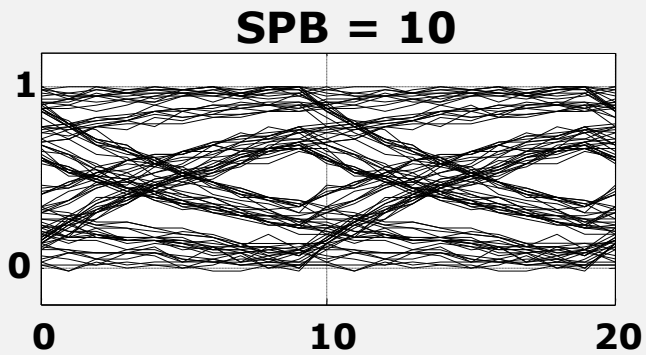
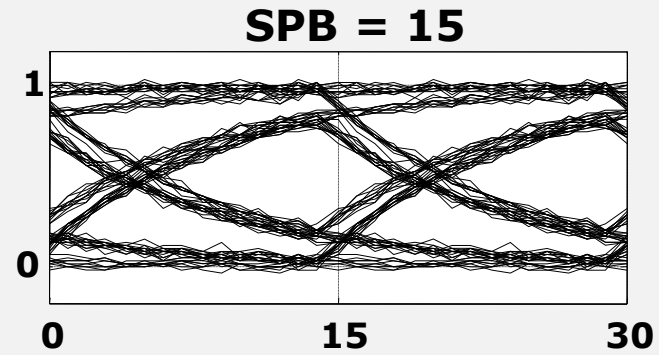
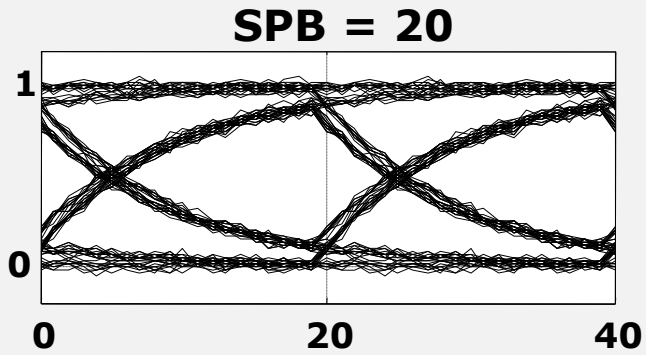
Our Simple Protocol



Trade-off between Bit Rate and BER



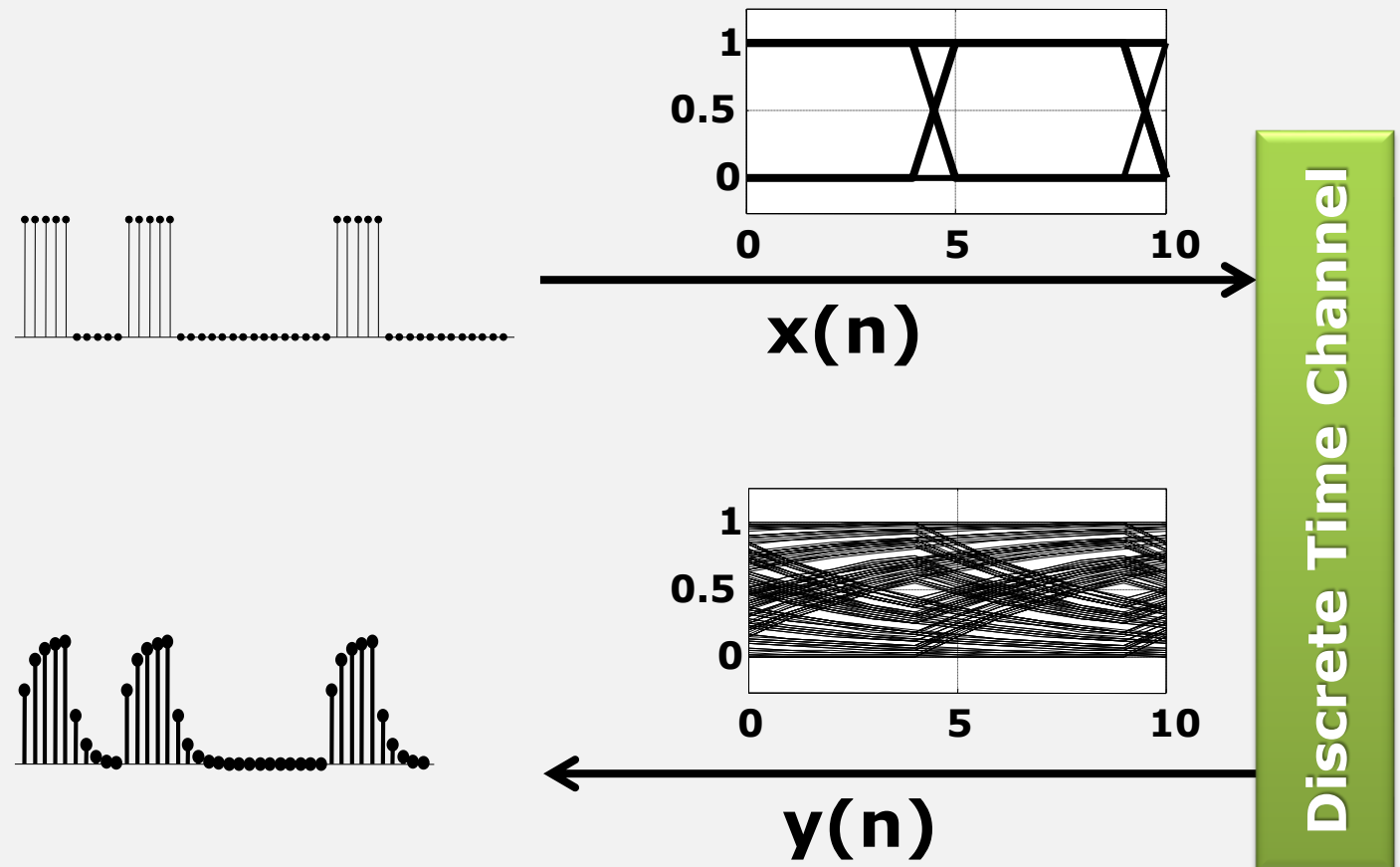
Eye Diagrams



Channel parameters:
 $a = 0.9$, $k = 1$
noise added

Equalization

- The channel introduces intersymbol interference, which causes the eye to close.



Equalization

- The channel introduces intersymbol interference, which causes the eye to close.
- The goal of a channel equalizer is to “undo” the effect of the channel.
- This will cause the eye to open.

