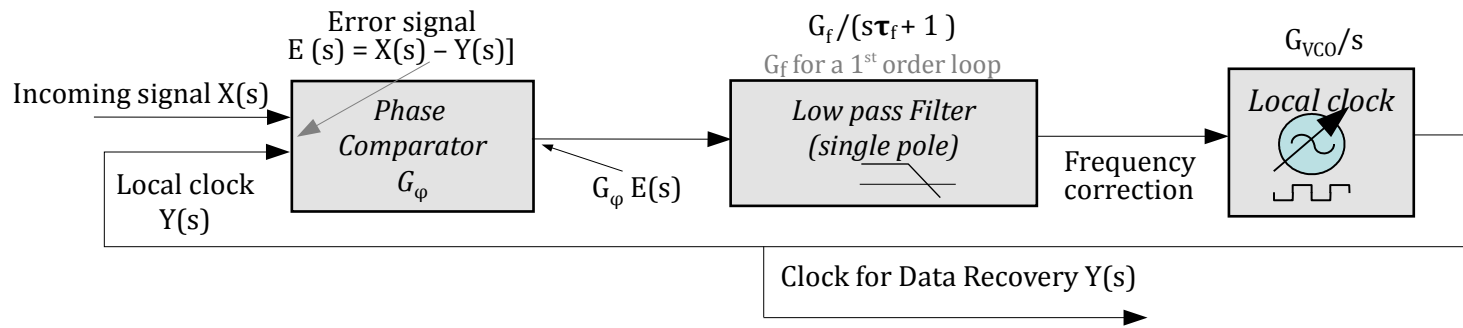
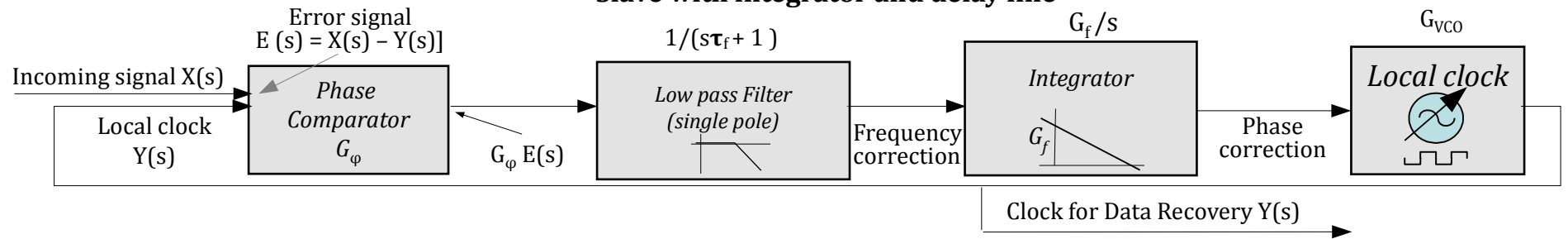


**2<sup>nd</sup> order type 1 Phase-locked loop  
Slave with frequency controlled VCO**



**2nd order type 1 Phase-locked loop  
Slave with integrator and delay line**



**2nd order (type 1) Phase-locked loop  
Phase Aligner**

