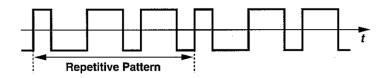
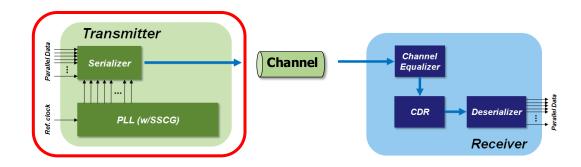
Transmitter with PRBS generator

- Pseudo-random binary sequences(PRBSs)
 - A repetition of a pattern that itself consists of a random sequence of a number of bits for simulation or characterization

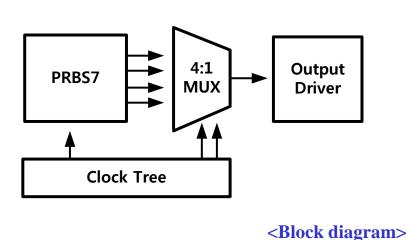


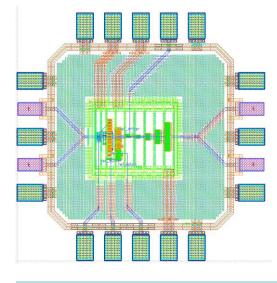
- Serial-interface circuit
 - In wire-line communication, serial-interface circuit is used
 - Ex) PCI-Express, USB, etc..



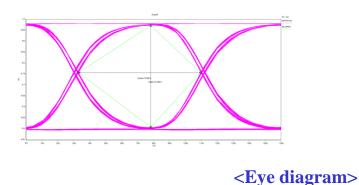
Transmitter with PRBS generator

- 10Gbps conventional transmitter with PRBS generator Fab out
 - Getting used to CML type and CMOS type blocks









Specification	
Target frequency	10Gbps
Jitter	0.044UI
Supply voltage	1V
Voltage Swing	500mV
Power	36.25mW

