1. PRBS Generation For TX FIR Equalization

Full Data Rate – CLK 10GHz and Data 10Gbps
2. Setting for Ideal components

We can find the rand_bit_stream and d_ff in ahdllLib to generate PRBS and 1UI delay PRBS. For setting, Tperiod is your 1UI time, and more detail we can see figures.
3. EX) 3-Tap TX FIR Equalization

Input Data – Pre_nd, Main_nd and Post_nd (1UI Delay)

TX FIR output EYE – ( 0.1, 0.8, -0.1) – This setting has to be changed based on your channel pulse response.