MZI control after optimization (08.24.2024)

PID controller of Red pitaya is set as the Gain=200, f_pole = 0, offset = -0.5
If changing the pid.setpoint, one can minimize the offset voltage of DC differential output.
pid.setpoint = -0.015 at the current (the unit of this number should be V)

The displayed voltage on the screen of PZT amp should be around 25 V. When I measured the transfer function with the voltage of about 0 V like 0.02 V, it failed. This is because the configuration of the amplitude for Network Analyzer (mziNA) is large (amp = 2e-1)



