گزارش تمرین سری اول پیاده سازی مدل های LIF, ALIF, AELIF بیاده استاد: دکتر سعیدرضا خردپیشه

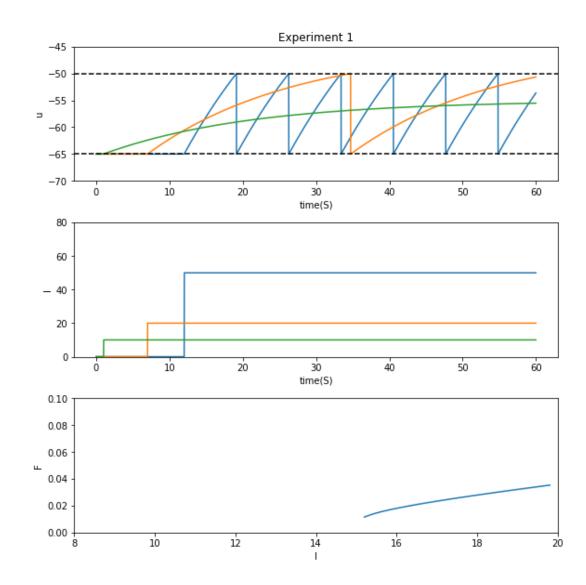
صبا حسين نيان-9722025

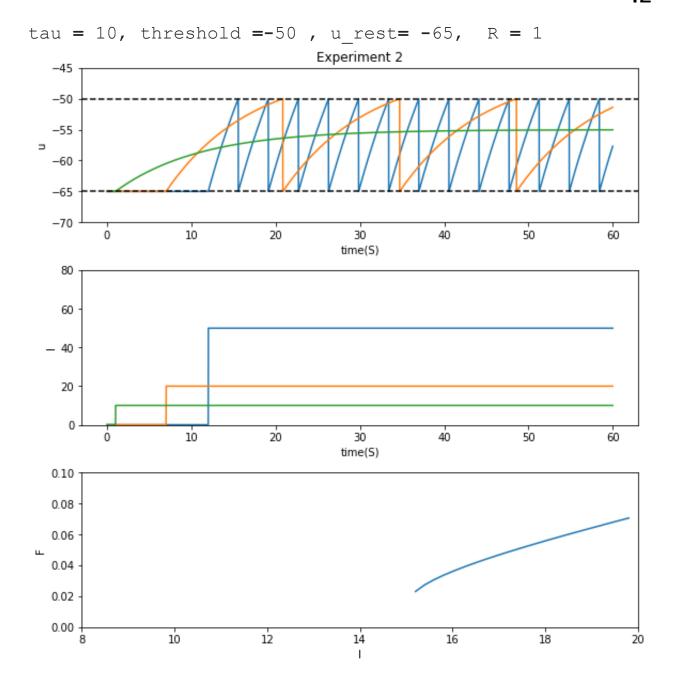
آزمایشات:

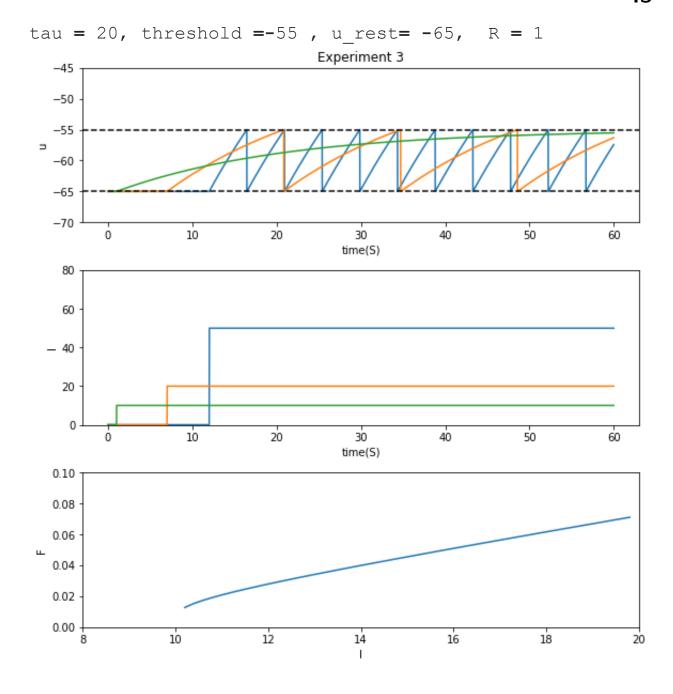
: LIF

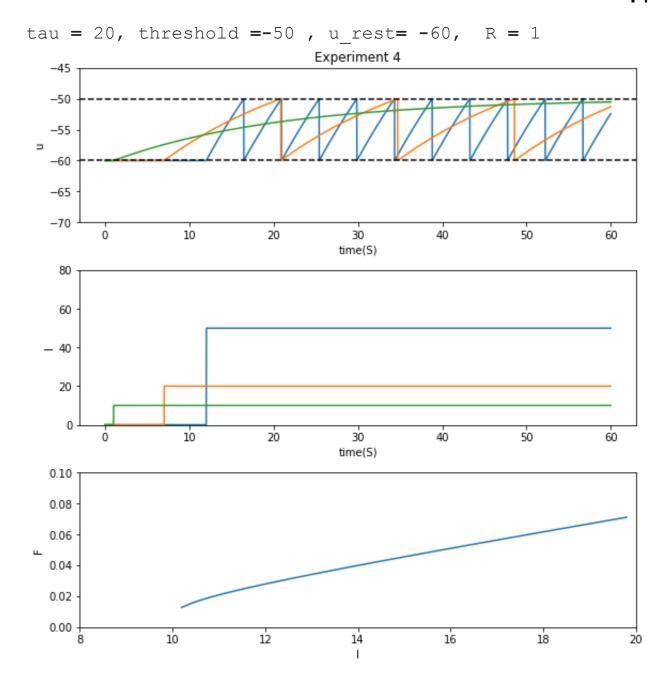
.1

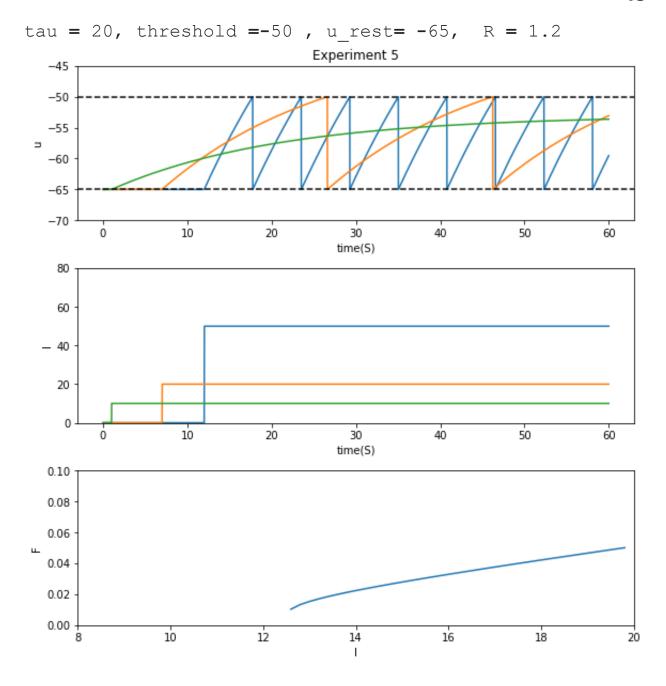
tau = 20, threshold =-50, $u_rest= -65$, R=1





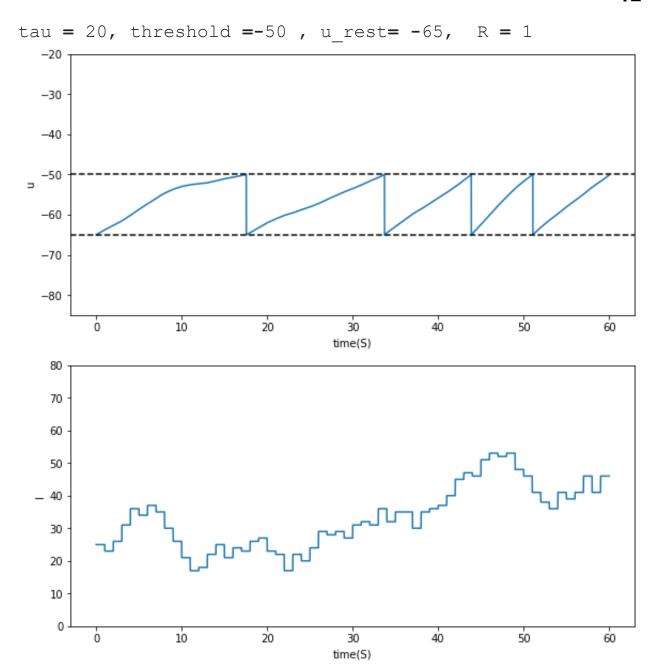




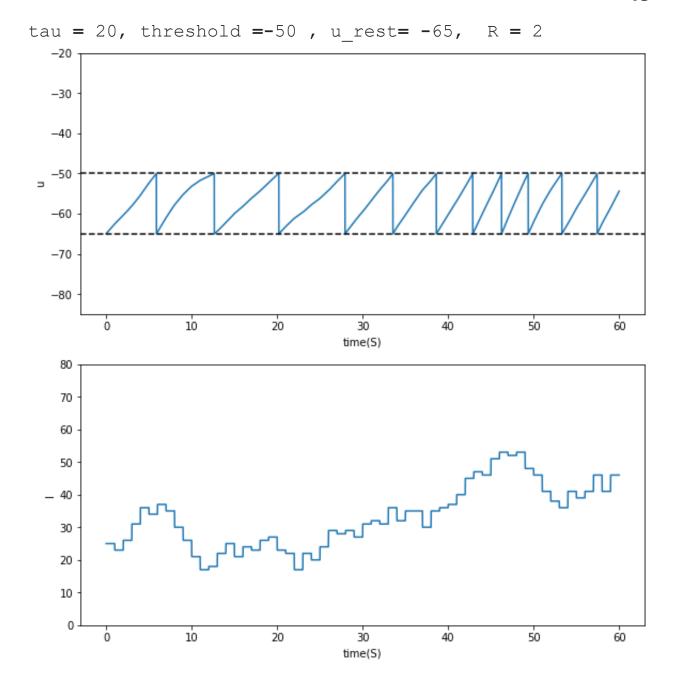


LIFباا رندوم:

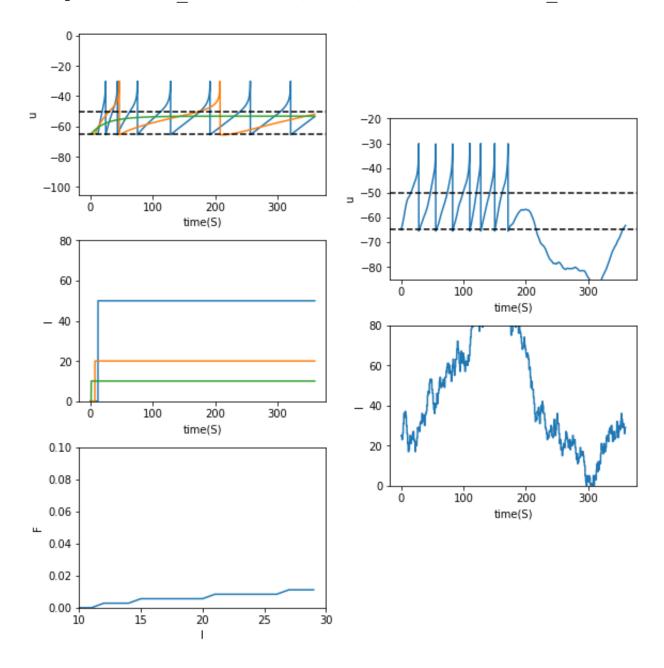
.1



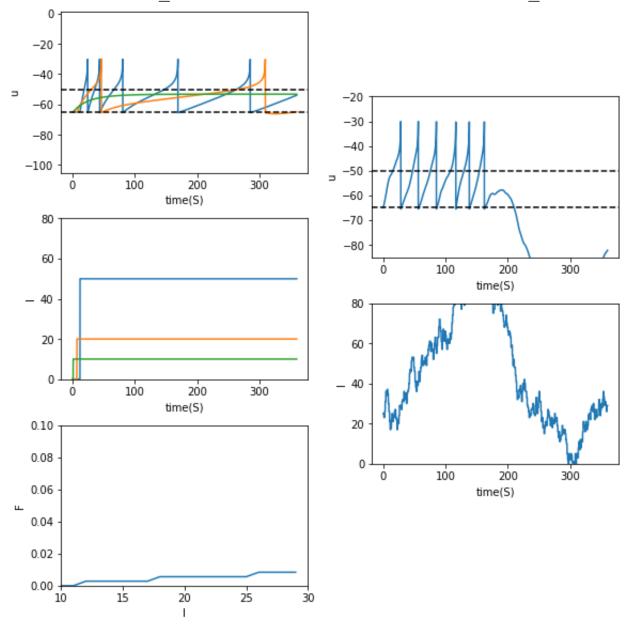
tau = 10, threshold =-50, $u_rest = -65$, R = 1-20 -30 -40 ₌ -50 -60 -70 -80 time(S) ó _ 40 time(S) ó tau = 20, threshold =-55, $u_rest=$ -65, R= 1 -20 -30 -40 ₌ -50 -60 -70 -80 time(S) ó _ 40 time(S) ó tau = 20, threshold =-50 , $u_rest = -60$, R = 1-20 -30 -40 ₅ -50 -60 -70 -80 ó time(S) _ 40 time(S) ó



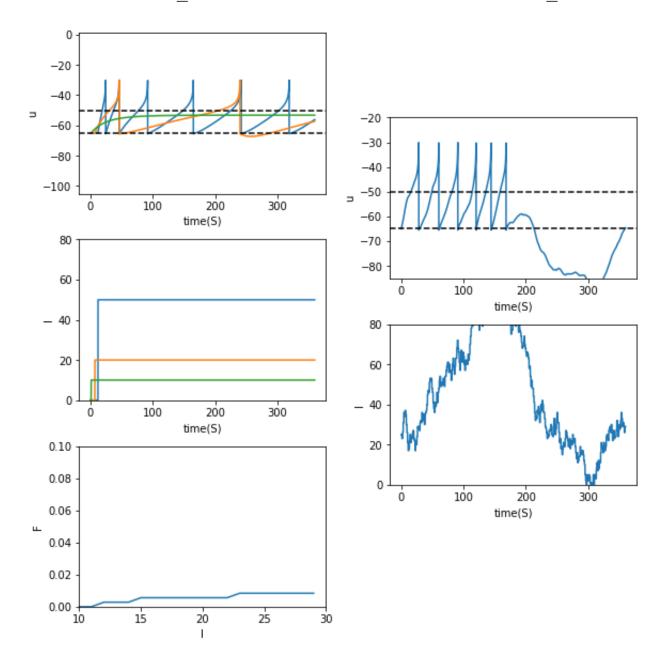
tau = 20, firing_threshold = -50, reset_threshold = -30,
sharpness= 4,u_rest = -65, R=1, a= 0, b=16, tau_w=144



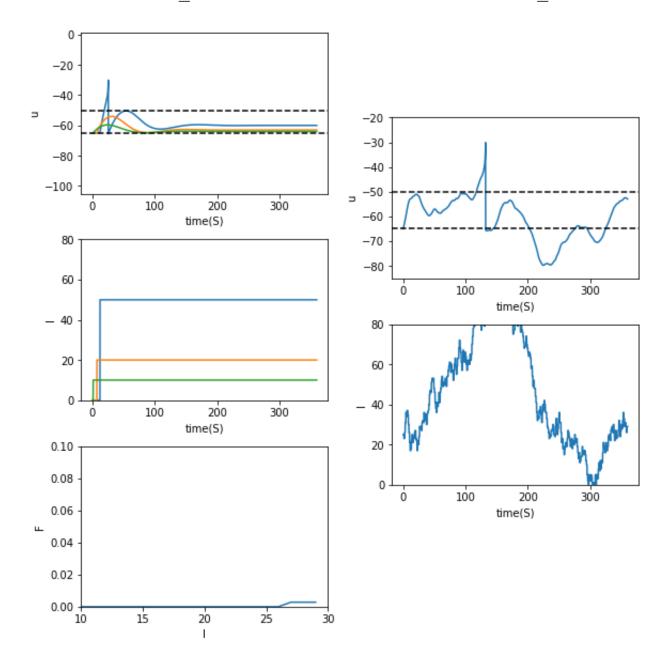
tau = 20, firing_threshold = -50, reset_threshold = -30,
sharpness= 4,u_rest = -65, R=1, a= 0, b=16, tau_w=288



tau = 20, firing_threshold = -50, reset_threshold = -30,
sharpness= 4,u_rest = -65, R=1, a= 0, b=20, tau_w=144



tau = 20, firing_threshold = -50, reset_threshold = -30,
sharpness= 4,u_rest = -65, R=1, a=9, b=16, tau_w=144



tau = 23, firing_threshold = -50, reset_threshold = -30,
sharpness= 4,u_rest = -65, R=1, a= 4, b=8, tau_w=144

