Evolution of linear perturbation of smooth accretion flow $\ell = 1.1, r_h = 0.0925$ t = 01.0 Velocity perturbation $\overset{\circ}{u}$ t = 5t = 10t = 150.5 t = 20t = 25t = 300.0 --- t = 35t = 40-t = 45-0.5--- t = 50Total energy E_1 , $r < r_*$ - t = 550.04 energy t = 60-t = 650.02 Total E_2 , I- t = 70t = 75t = 800.00 50 20 60 40 80 Time t Time t