Optimal time step achieving error  $\leq 2^{-24}$ ,  $\alpha = 0.1$ ,  $\beta = 0.1$ cn2  $10^{-1}$ exprb2 exprb3 exprb4 Optimal time step  $10^{-2}$   $10^{-3}$   $10^{-4}$ 10-2 rk2 rk4  $CFL_{adv}$  $CFL_{dif}$  $10^{-5}$ 100 150 200 50 250 300 350 400 N