t-Butanol/O₂/N₂, P_c =30 bar 950 K 900 K 850 K 800 K 750 K 700 K Points: Experiments Solid Lines: Simulations 100 $\phi = 0.5$ Ignition Delay, ms $\phi = 1.0$ $\phi = 2.0$ 10 $O_2: N_2 = 1: 3.76$

1.05

1.1

1.15

1.2

1.25

 $1000/T_{C}$, 1/K

1.3

1.35

1.4

1.45