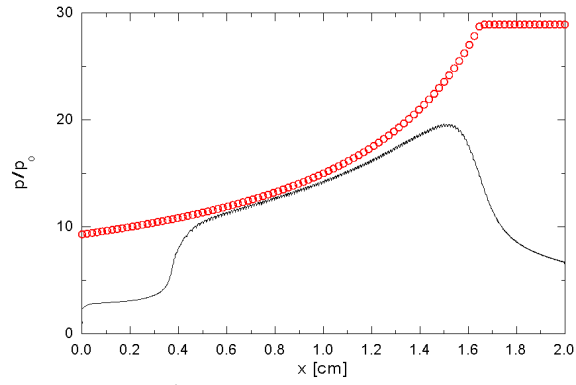
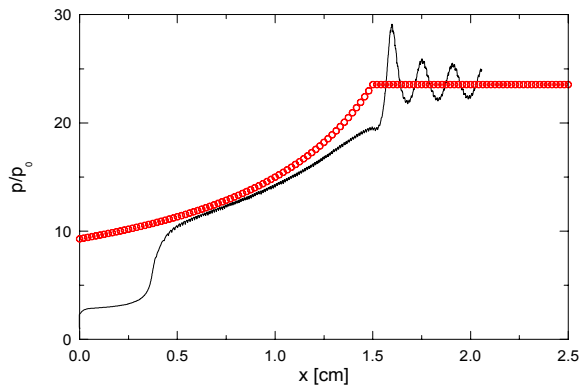


Calculation 1:
One step chemistry suggested by He
(1992 24th Combustion Symposium)

$\gamma=1.4$, $W = 30$ g/mole $T_{I0}=1350$ K $p_0 = 1$ atm
 $k=1.5 \times 10^9$ s⁻¹, $E_a = 23.8$ Kcal/mole, $Q=11.9$ Kcal/mole



a) $T_0=360$ K $L_{I0} = 1.65$ cm



b) $T_0=450$ K $L_{I0} = 1.5$ cm

Calculation 2:
Real chemistry H2/O2 systems (24 reaction step 8species)

