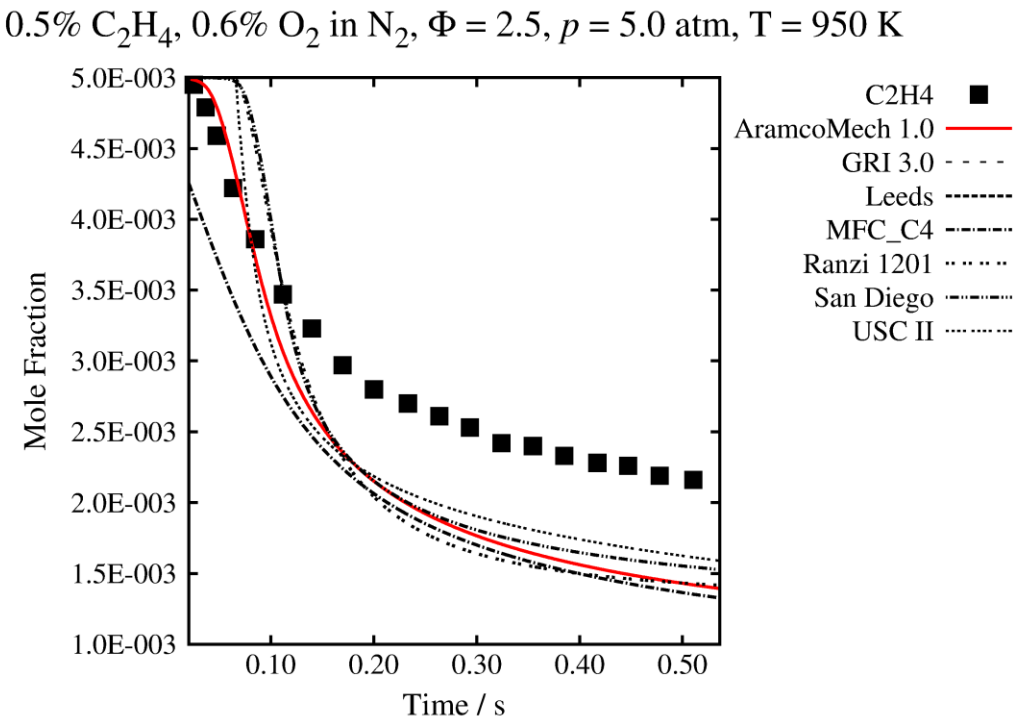
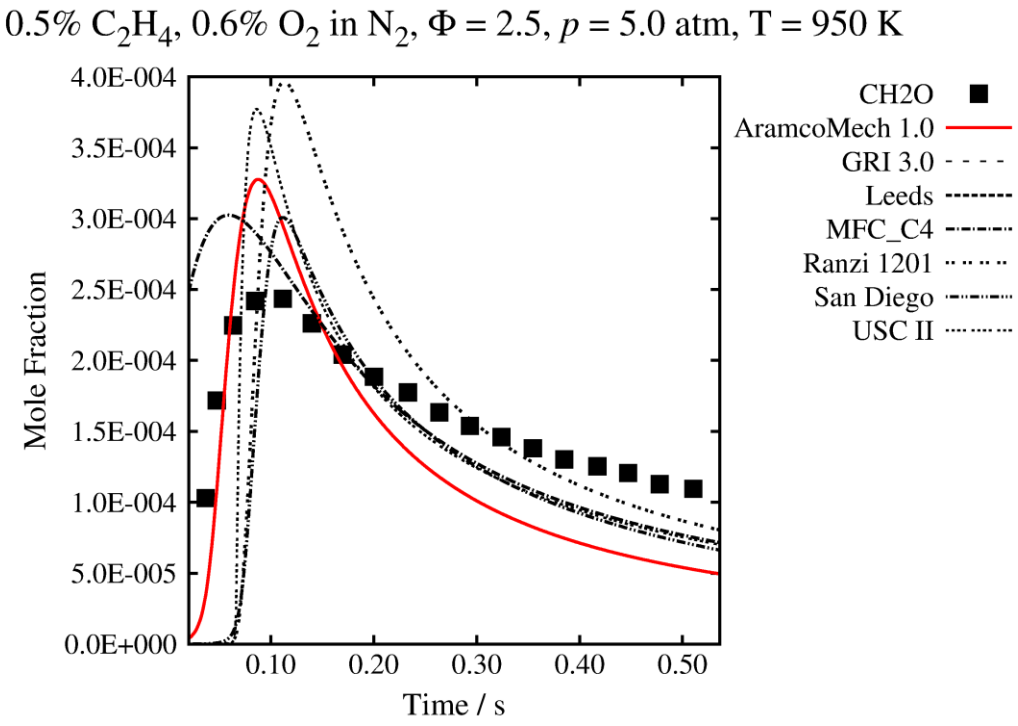
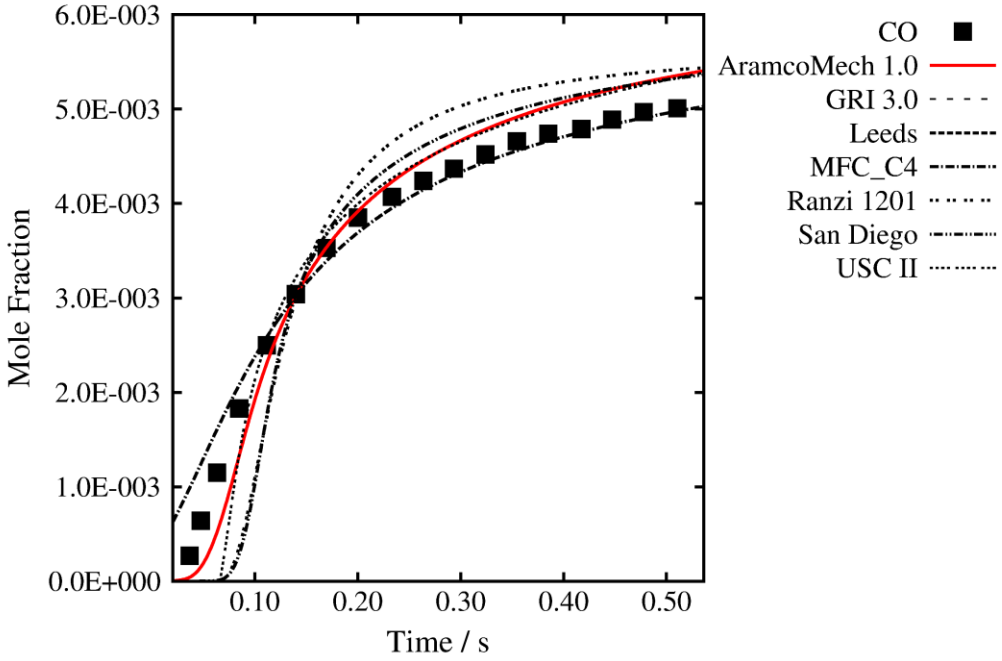
Figure 1

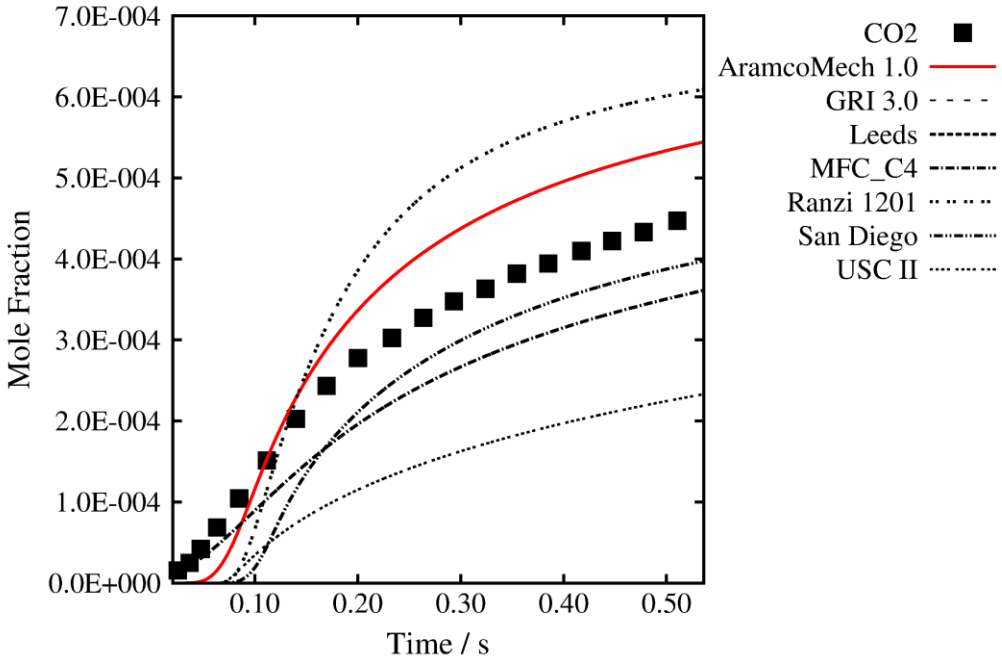

0.5% C2H4, 0.6% O2 in N2, Φ = 2.5, p = 5.0 atm, T = 950 K
Mole Fraction
5.0E-003
4.5E-003
4.0E-003
3.5E-003
3.0E-003
2.5E-003
2.0E-003
1.5E-003
1.0E-003
0.10
0.20
0.30
0.40
0.50
Time / s
C2H4
AramcoMech 1.0
GRI 3.0
Leeds
MFC_C4
Ranzi 1201
San Diego
USC II


0.5% C2H4, 0.6% O2 in N2, Φ = 2.5, p = 5.0 atm, T = 950 K
Mole Fraction
4.0E-004
3.5E-004
3.0E-004
2.5E-004
2.0E-004
1.5E-004
1.0E-004
5.0E-005
0.0E+000
0.10
0.20
0.30
0.40
0.50
Time / s
CH2O
AramcoMech 1.0
GRI 3.0
Leeds
MFC_C4
Ranzi 1201
San Diego
USC II

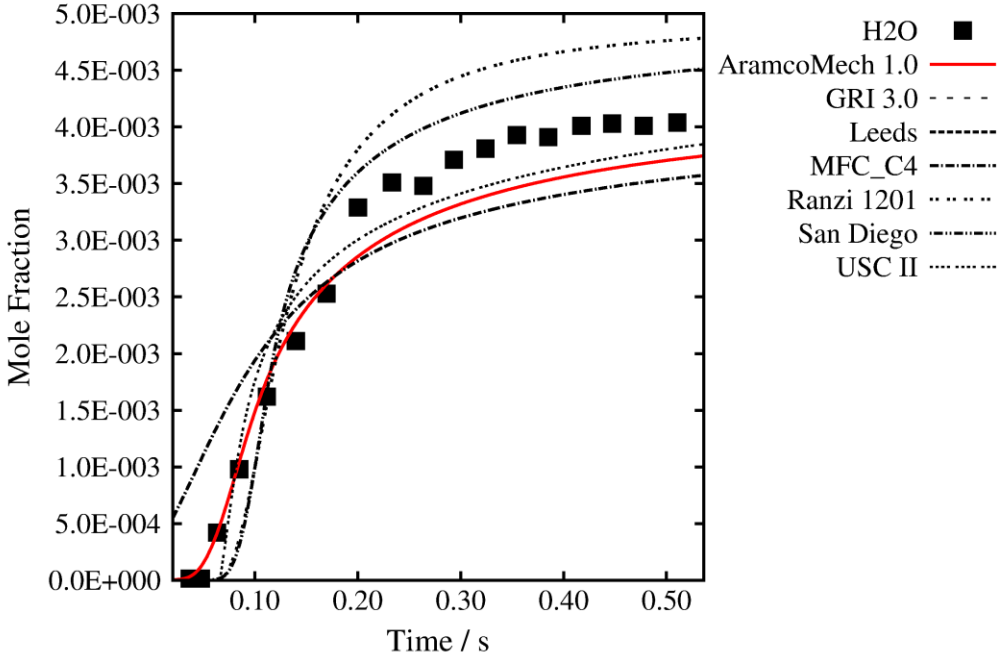
0.5% C_2H_4, 0.6% O_2 in N_2, Φ = 2.5, p = 5.0 atm, T = 950 K



0.5% C_2H_4, 0.6% O_2 in N_2, Φ = 2.5, p = 5.0 atm, T = 950 K



0.5% C_2H_4, 0.6% O_2 in N_2, Φ = 2.5, p = 5.0 atm, T = 950 K



0.5% C_2H_4, 0.6% O_2 in N_2, Φ = 2.5, p = 5.0 atm, T = 950 K

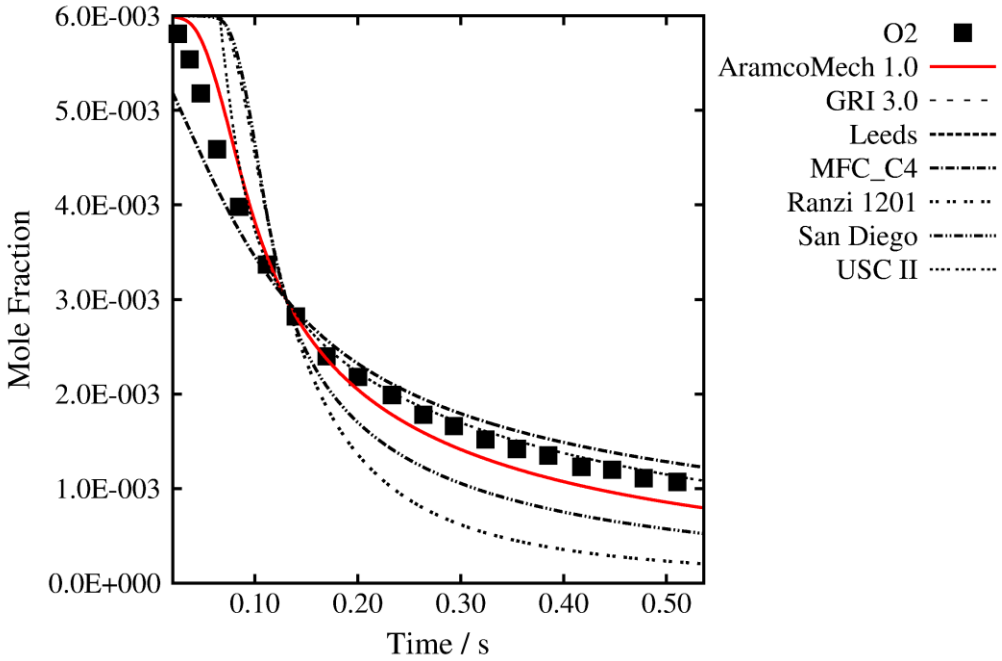
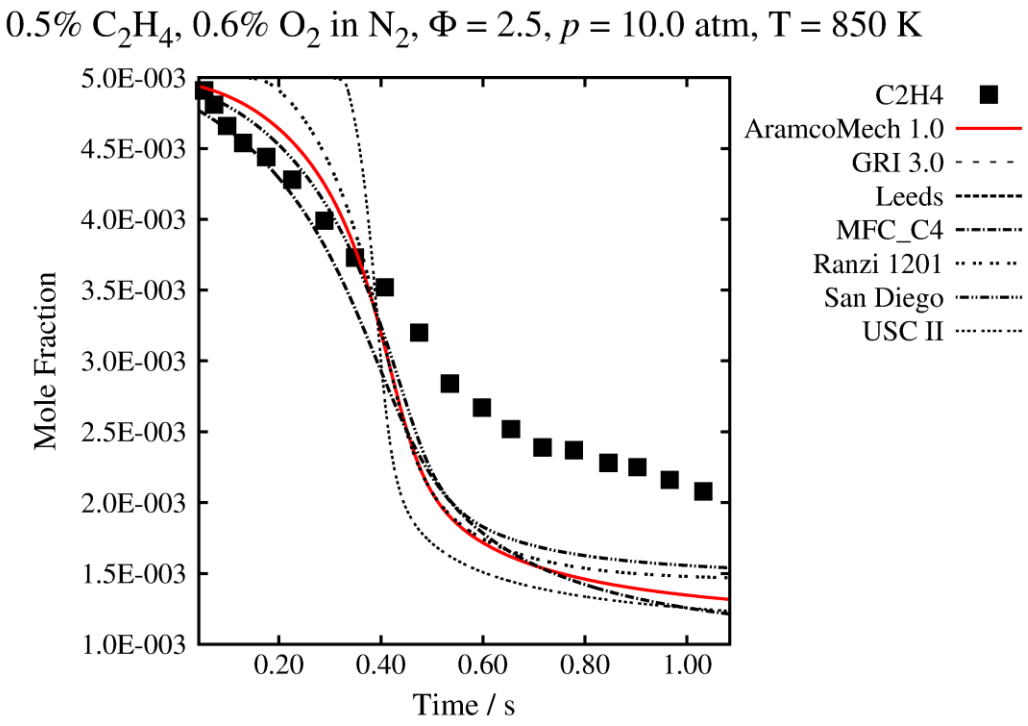
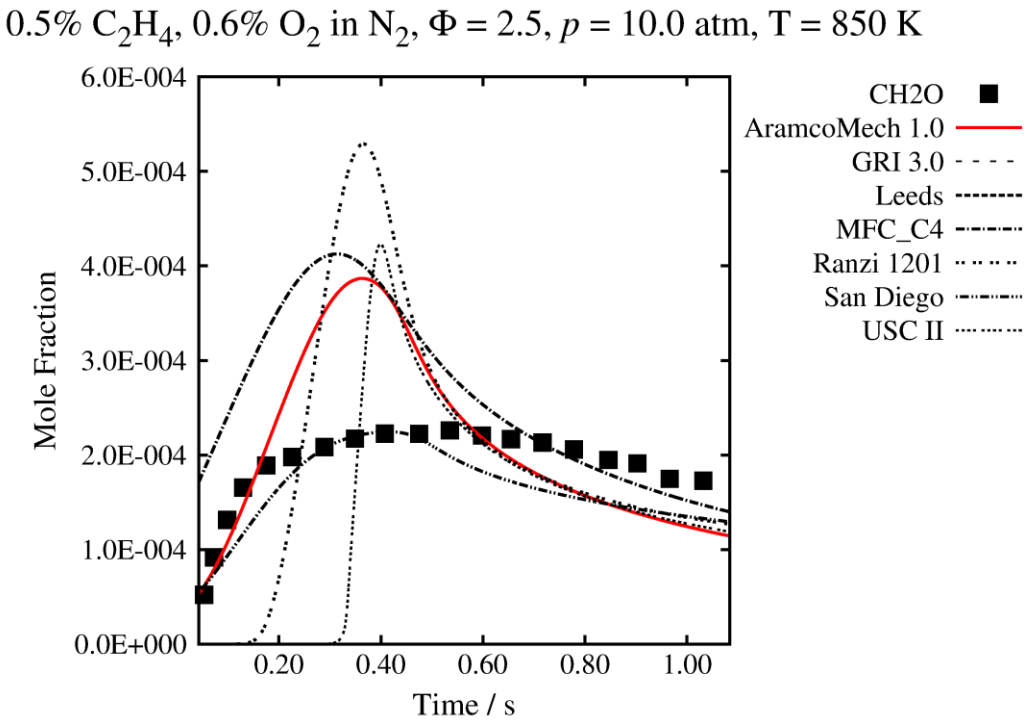
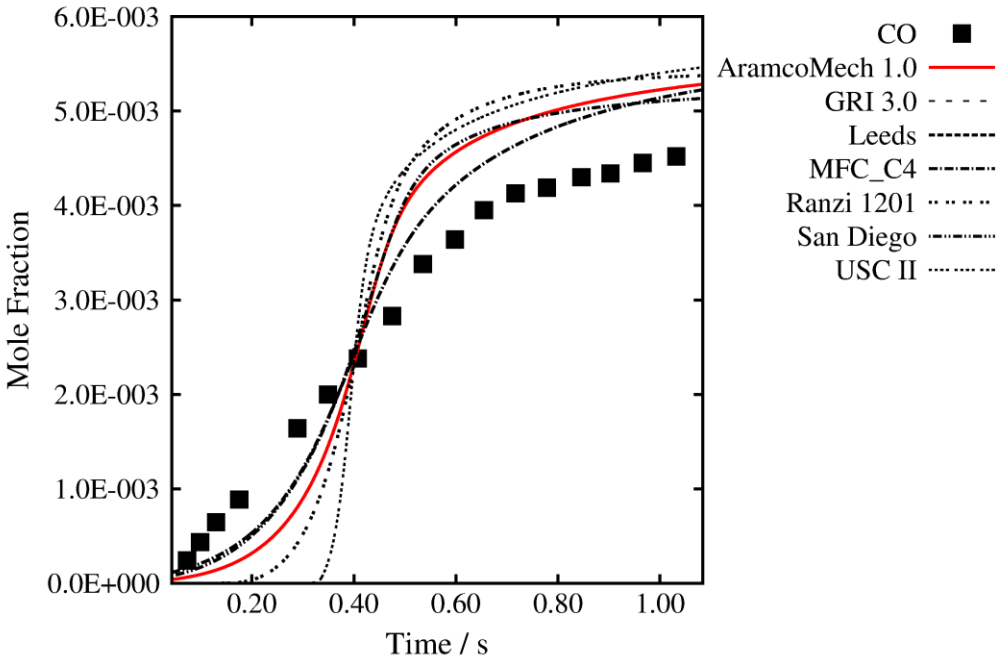


Figure 2

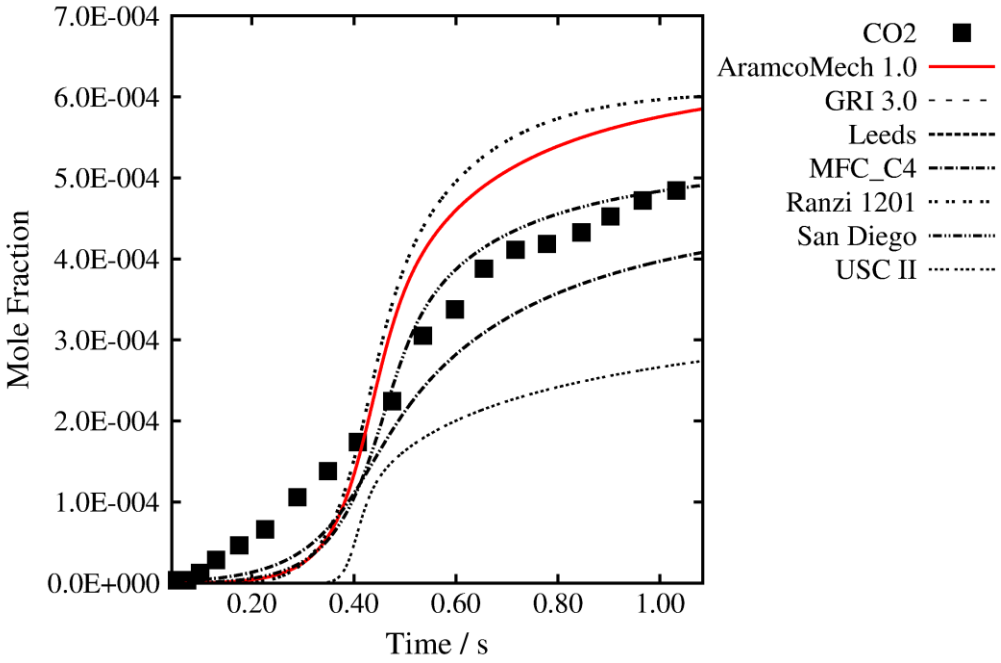

0.5% C2H4, 0.6% O2 in N2, Φ = 2.5, p = 10.0 atm, T = 850 K
Mole Fraction
5.0E-003
4.5E-003
4.0E-003
3.5E-003
3.0E-003
2.5E-003
2.0E-003
1.5E-003
1.0E-003
0.20
0.40
0.60
0.80
1.00
Time / s
C2H4
AramcoMech 1.0
GRI 3.0
Leeds
MFC_C4
Ranzi 1201
San Diego
USC II


0.5% C2H4, 0.6% O2 in N2, Φ = 2.5, p = 10.0 atm, T = 850 K
Mole Fraction
6.0E-004
5.0E-004
4.0E-004
3.0E-004
2.0E-004
1.0E-004
0.0E+000
0.20
0.40
0.60
0.80
1.00
Time / s
CH2O
AramcoMech 1.0
GRI 3.0
Leeds
MFC_C4
Ranzi 1201
San Diego
USC II

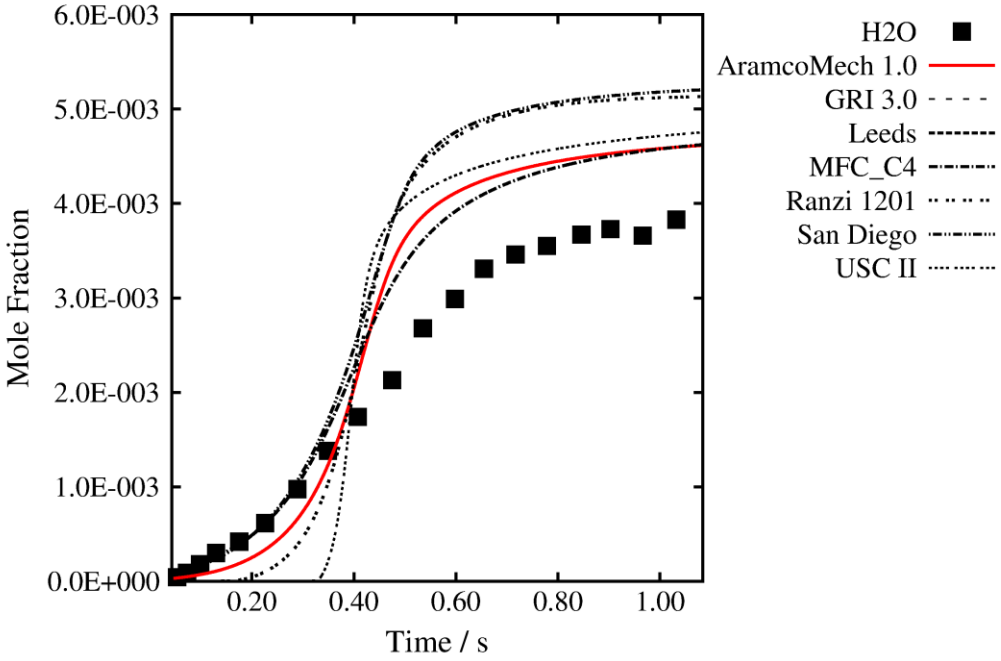
0.5% C_2H_4, 0.6% O_2 in N_2, Φ = 2.5, p = 10.0 atm, T = 850 K



0.5% C_2H_4, 0.6% O_2 in N_2, Φ = 2.5, p = 10.0 atm, T = 850 K



0.5% C_2H_4, 0.6% O_2 in N_2, Φ = 2.5, p = 10.0 atm, T = 850 K



0.5% C_2H_4, 0.6% O_2 in N_2, Φ = 2.5, p = 10.0 atm, T = 850 K