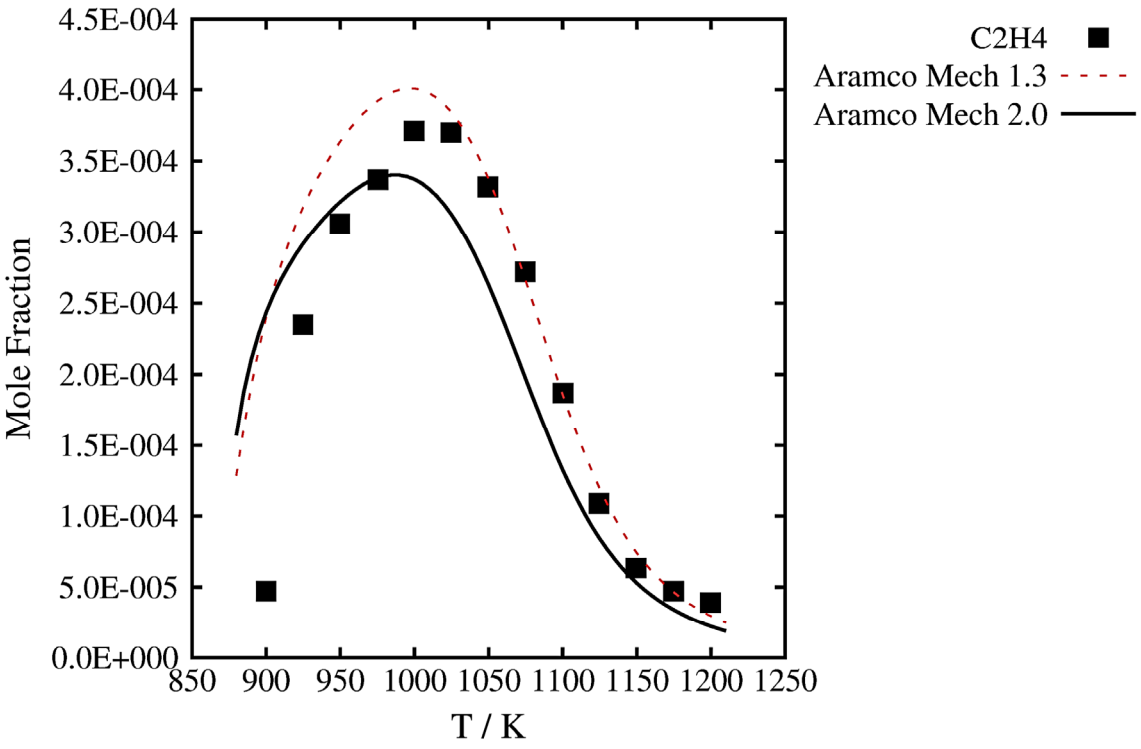
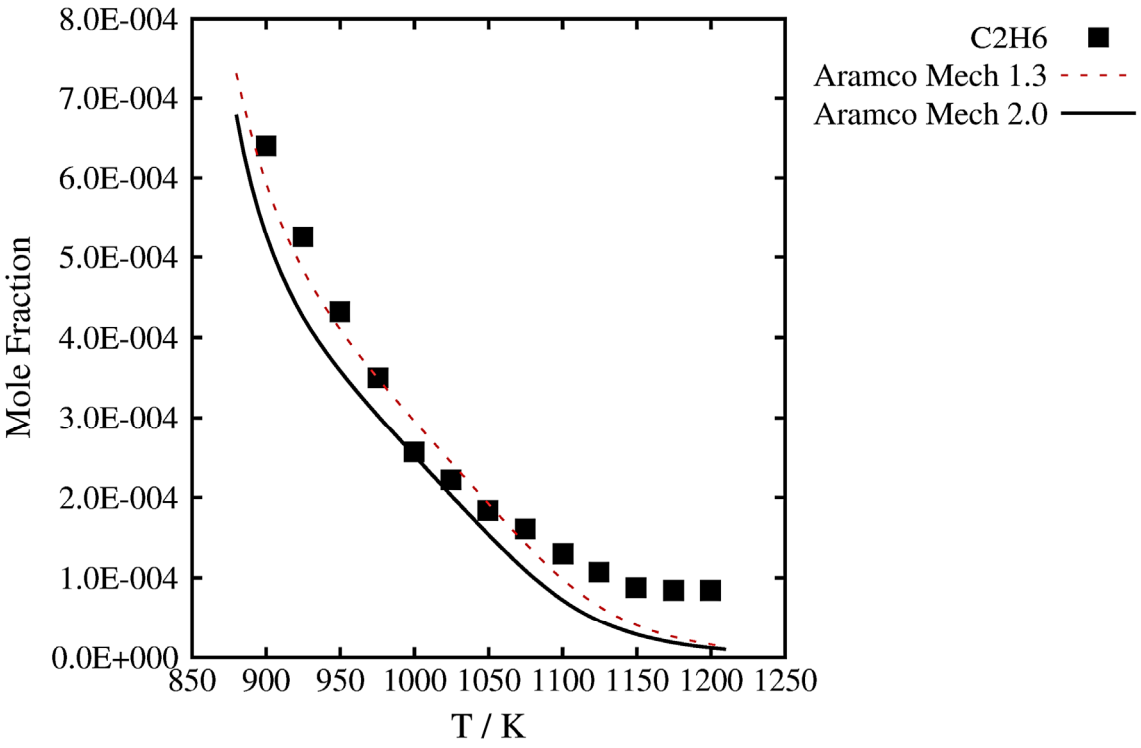
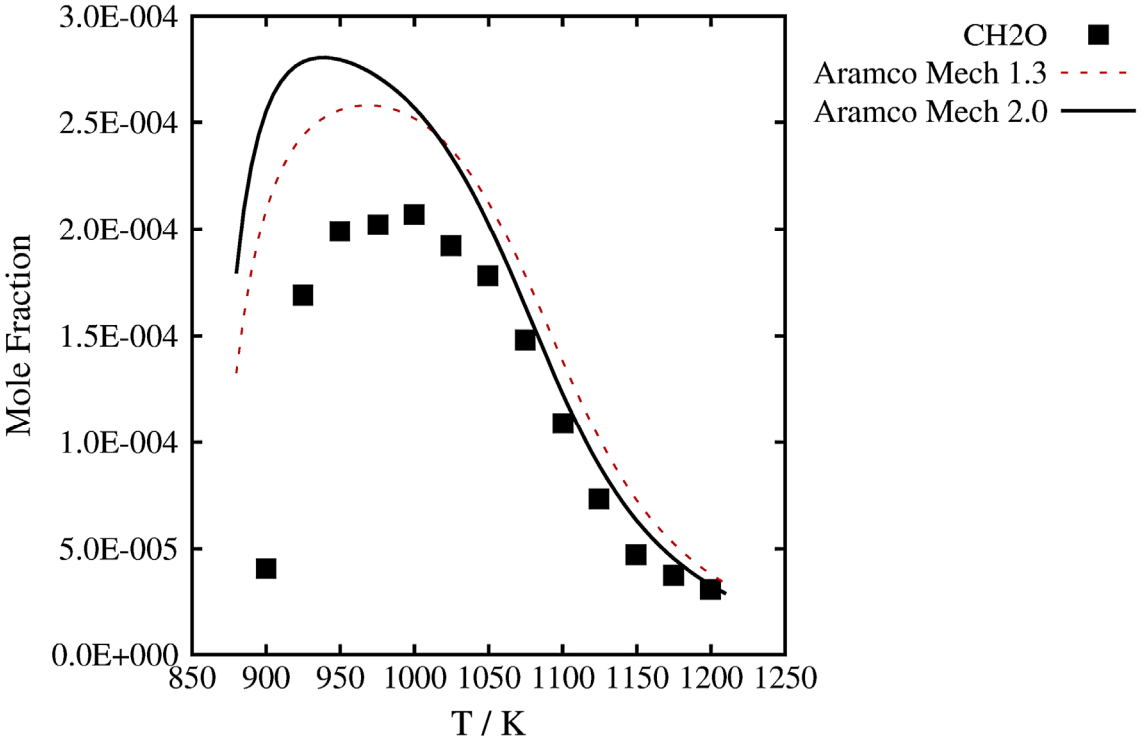
0.913% $CH_4$, 0.087% $C_2H_6$ in $N_2$, $\Phi = 0.3$, $p = 10.0$ atm, $\tau = 0.25$ s



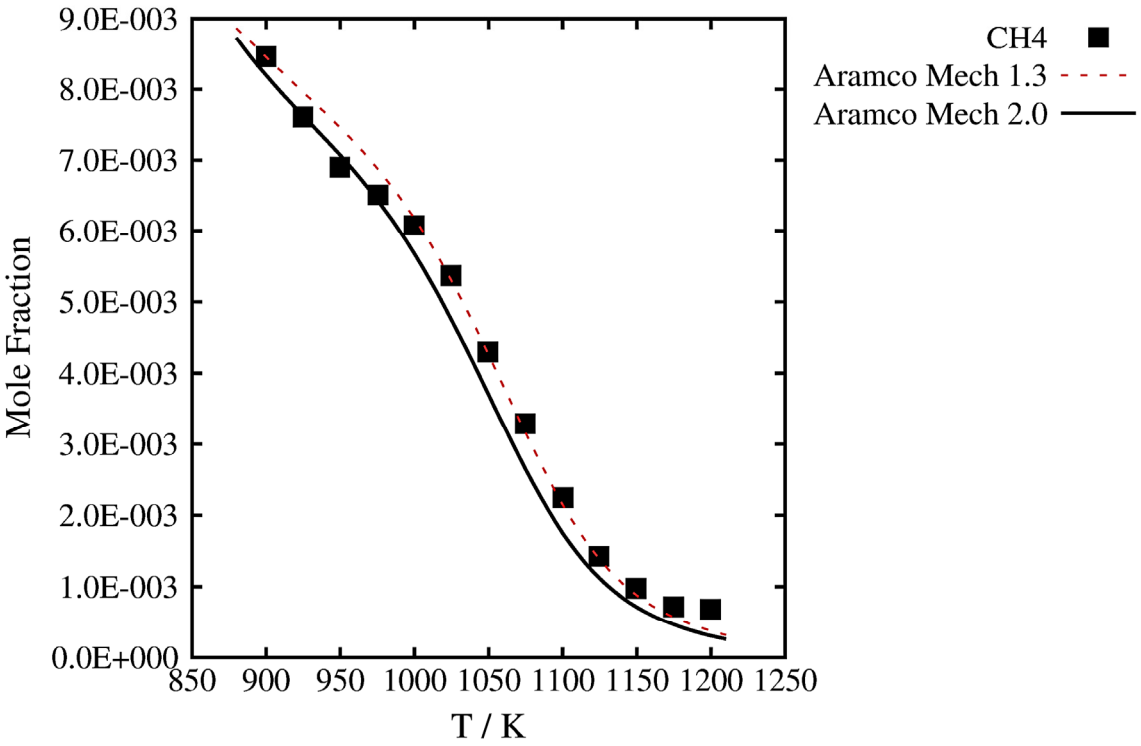

0.913% $CH_4$, 0.087% $C_2H_6$ in $N_2$, $\Phi = 0.3$, $p = 10.0$ atm, $\tau = 0.25$ s



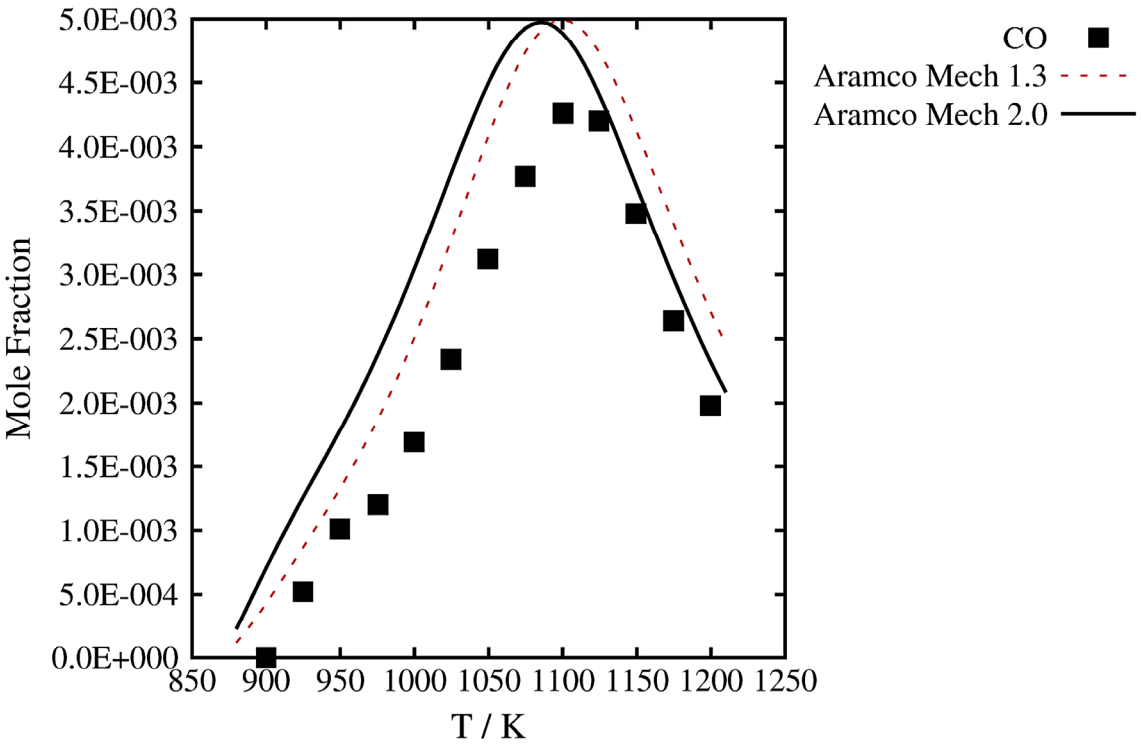
0.913% $CH_4$, 0.087% $C_2H_6$ in $N_2$, $\Phi = 0.3$, $p = 10.0$ atm, $\tau = 0.25$ s



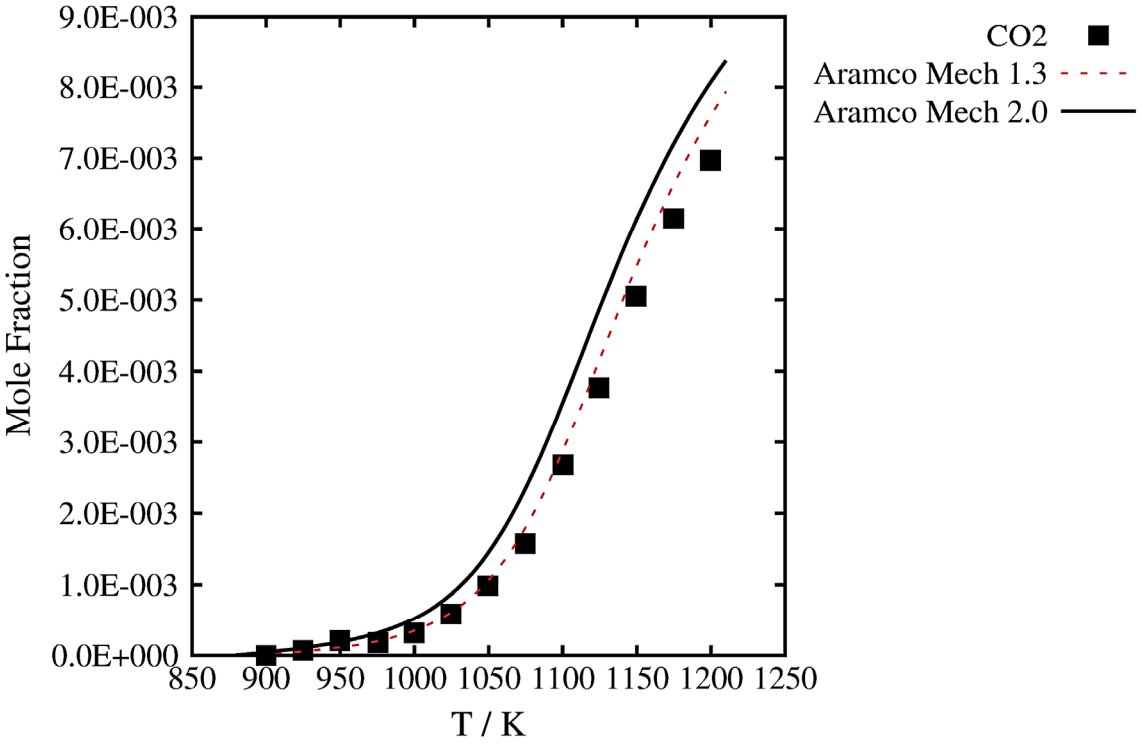

0.913% $CH_4$, 0.087% $C_2H_6$ in $N_2$, $\Phi = 0.3$, $p = 10.0$ atm, $\tau = 0.25$ s



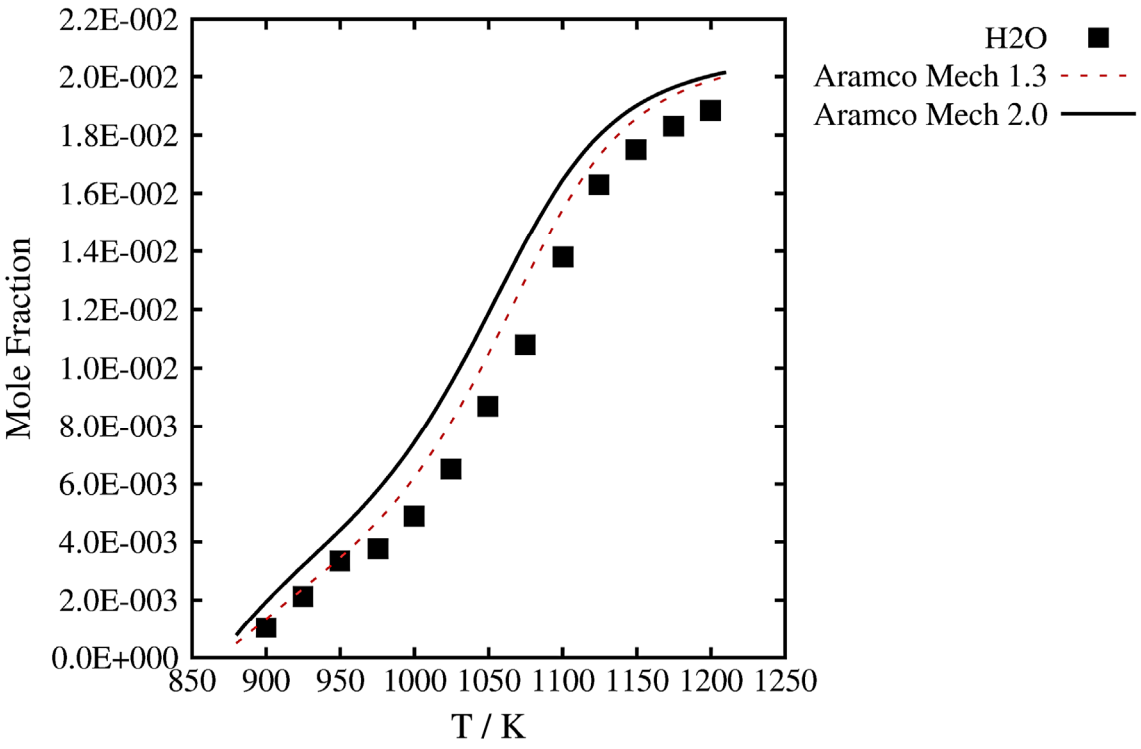
0.913% $CH_4$, 0.087% $C_2H_6$ in $N_2$, $\Phi = 0.3$, $p = 10.0$ atm, $\tau = 0.25$ s



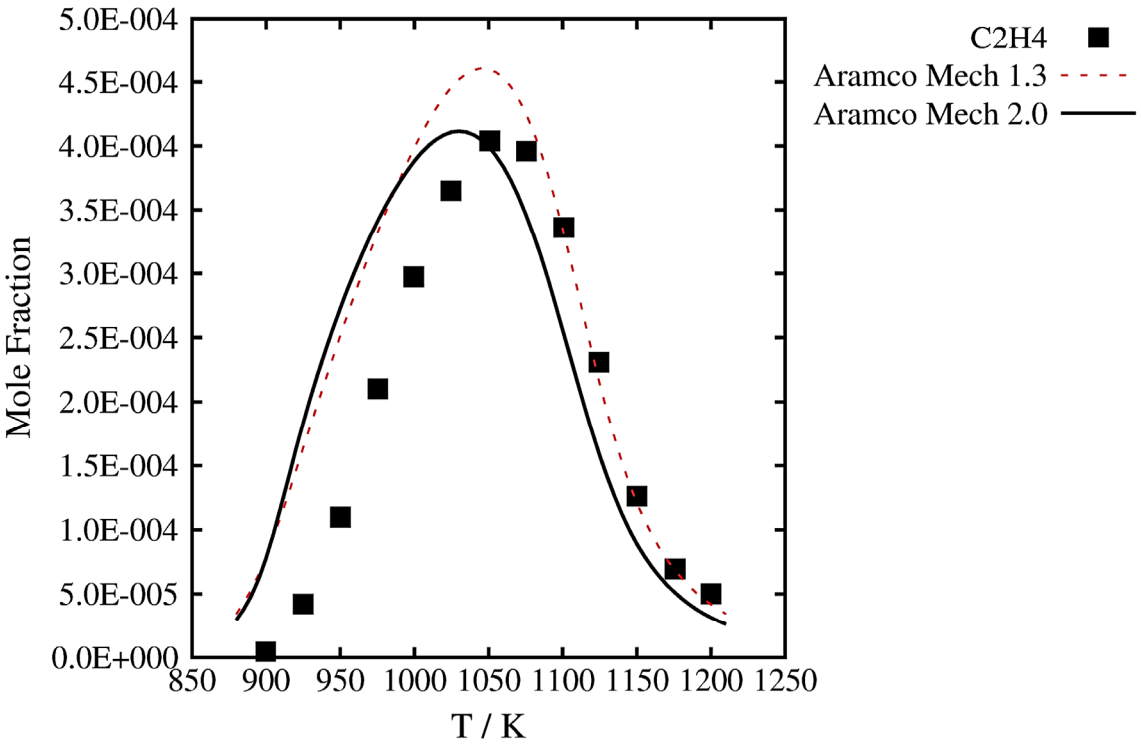

0.913% $CH_4$, 0.087% $C_2H_6$ in $N_2$, $\Phi = 0.3$, $p = 10.0$ atm, $\tau = 0.25$ s



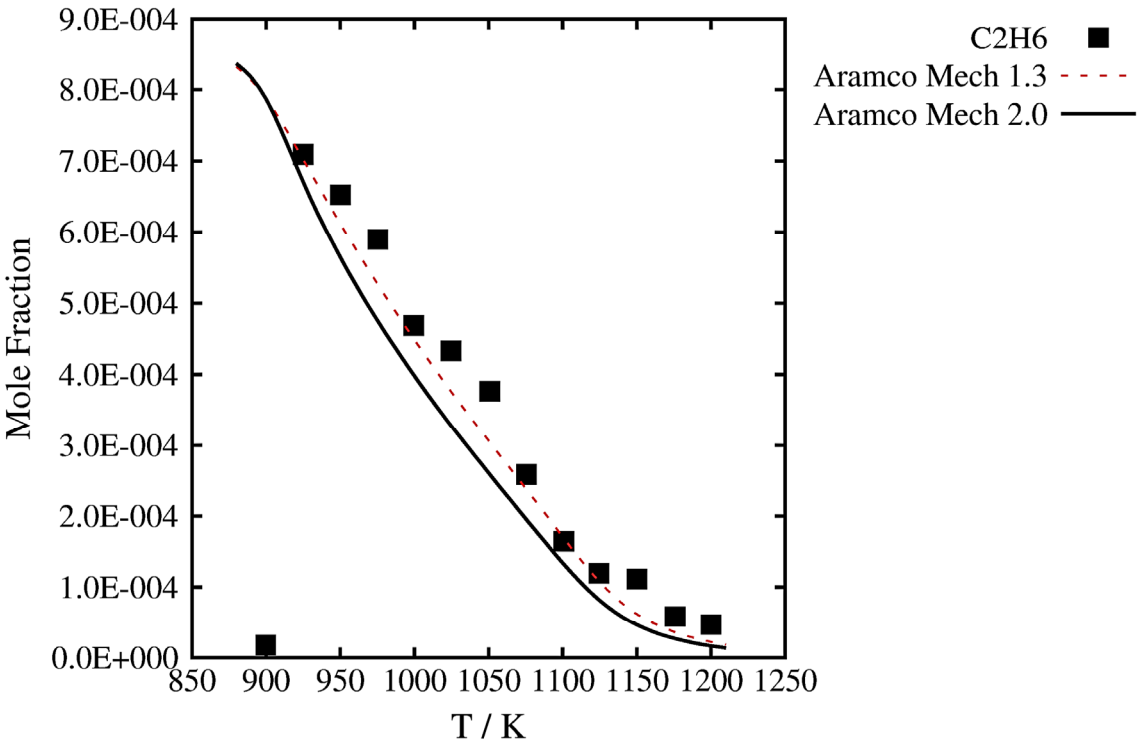
0.913% $CH_4$, 0.087% $C_2H_6$ in $N_2$, $\Phi = 0.3$, $p = 10.0$ atm, $\tau = 0.25$ s



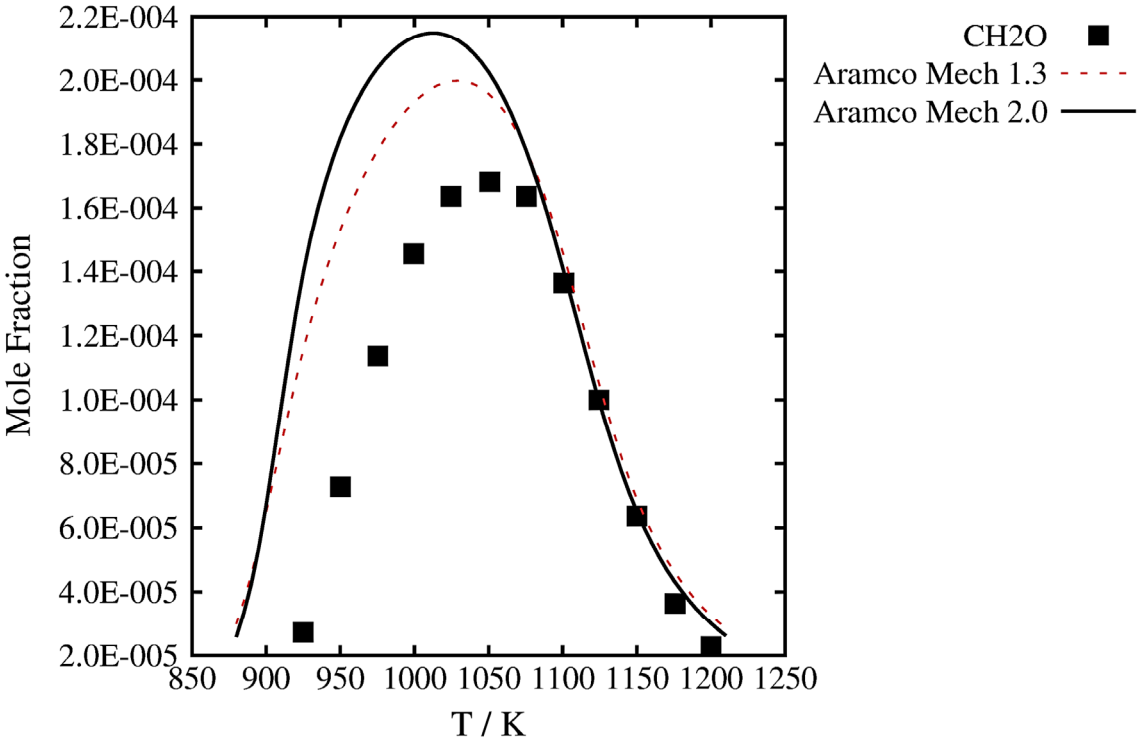

0.913% $CH_4$, 0.087% $C_2H_6$ in $N_2$, $\Phi = 0.6$, $p = 10.0$ atm, $\tau = 0.25$ s



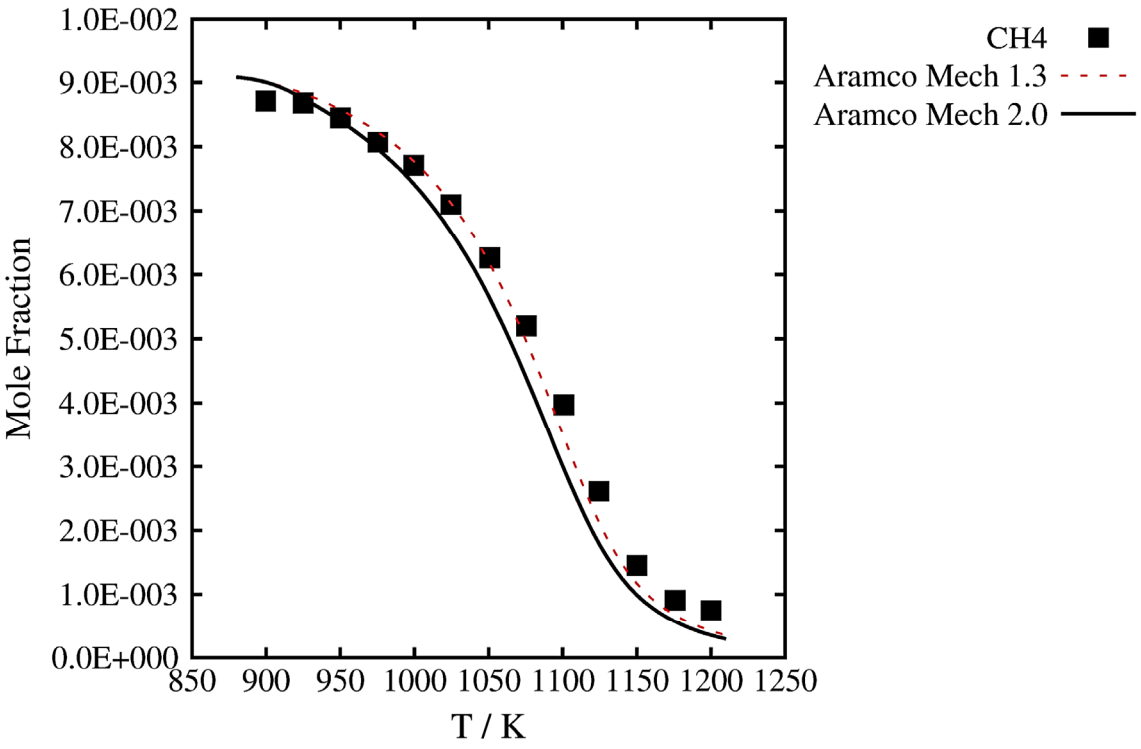
0.913% $CH_4$, 0.087% $C_2H_6$ in $N_2$, $\Phi = 0.6$, $p = 10.0$ atm, $\tau = 0.25$ s



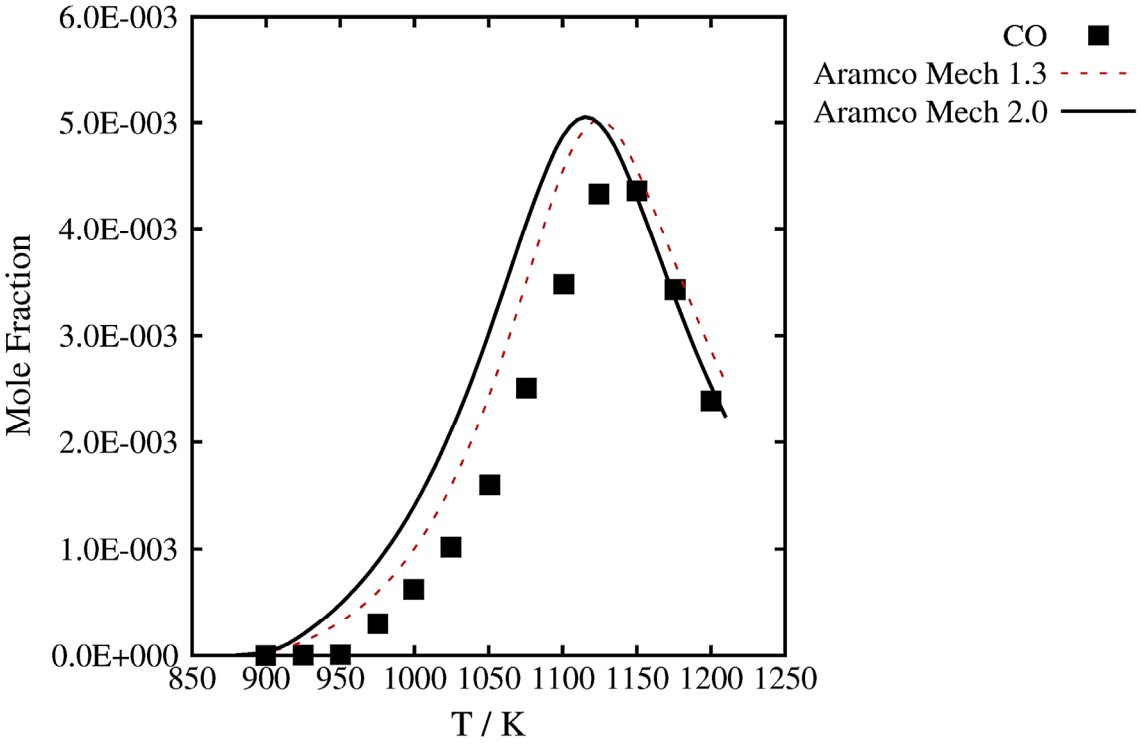

0.913% $CH_4$, 0.087% $C_2H_6$ in $N_2$, $\Phi = 0.6$, $p = 10.0$ atm, $\tau = 0.25$ s



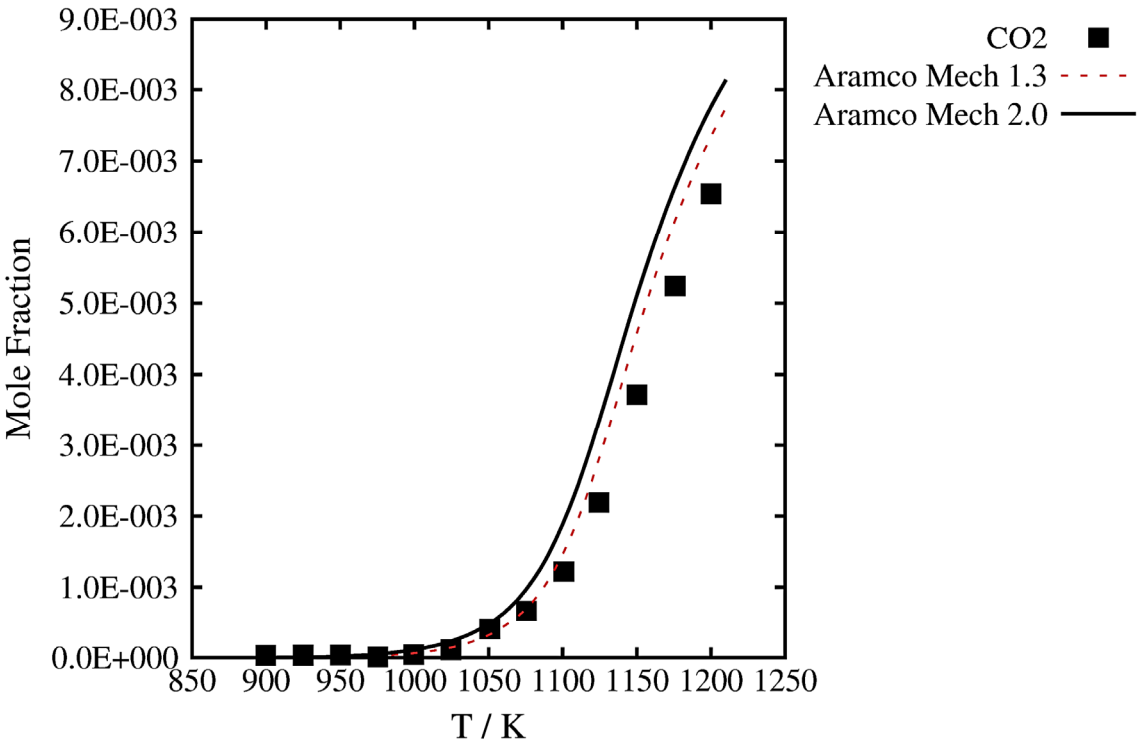
0.913% $CH_4$, 0.087% $C_2H_6$ in $N_2$, $\Phi = 0.6$, $p = 10.0$ atm, $\tau = 0.25$ s



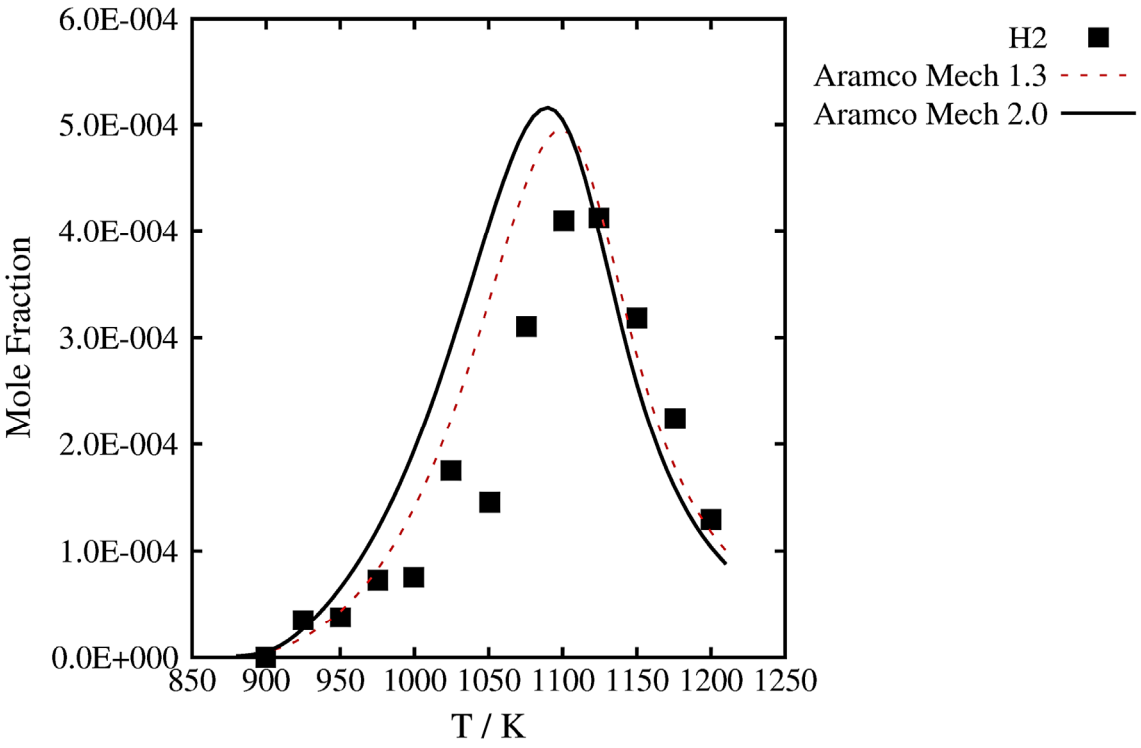

0.913% $CH_4$, 0.087% $C_2H_6$ in $N_2$, $\Phi = 0.6$, $p = 10.0$ atm, $\tau = 0.25$ s



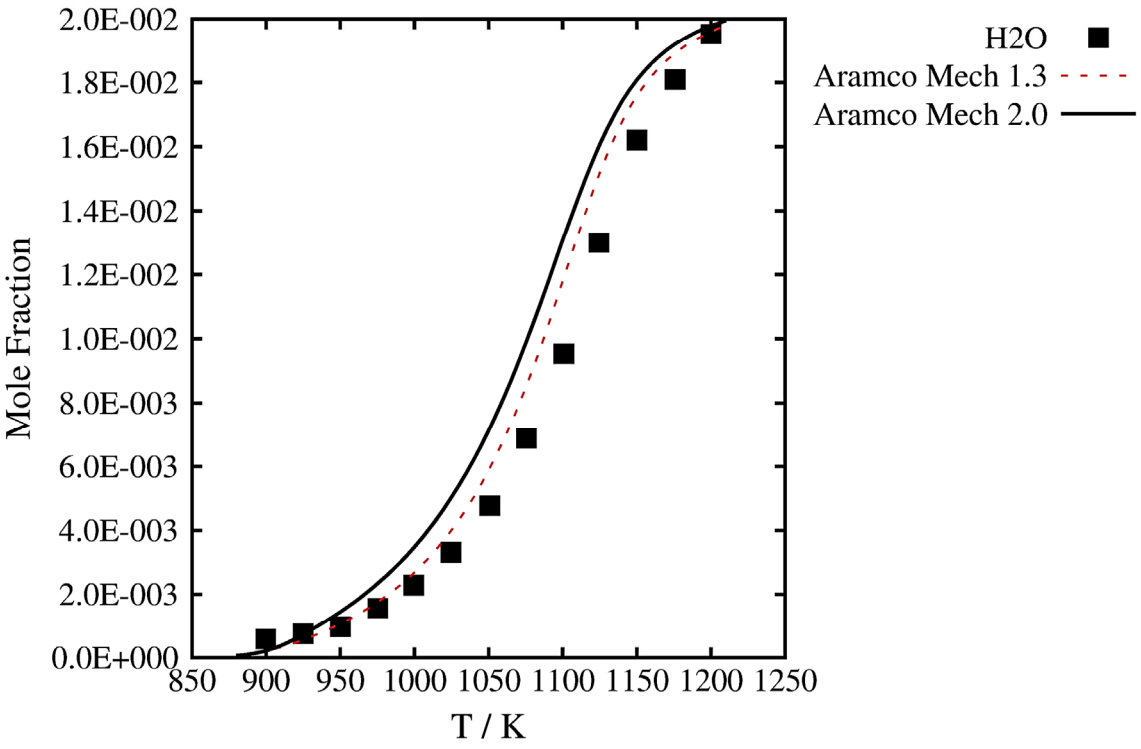
0.913% $CH_4$, 0.087% $C_2H_6$ in $N_2$, $\Phi = 0.6$, $p = 10.0$ atm, $\tau = 0.25$ s



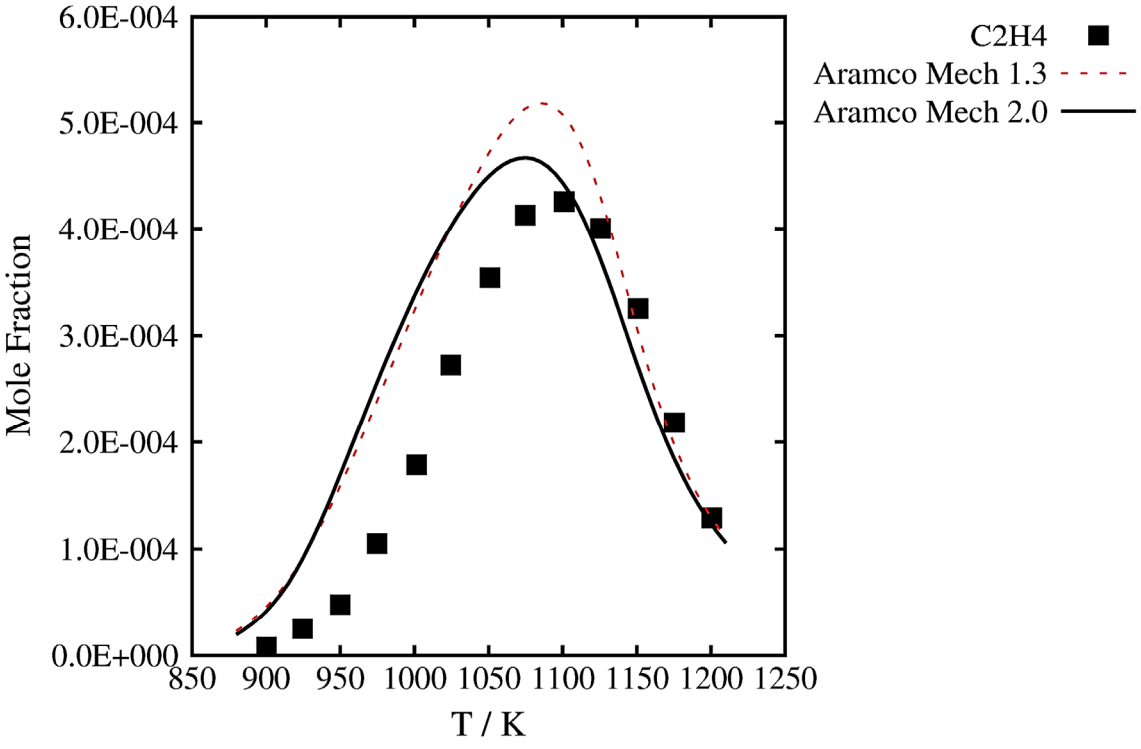

0.913% $CH_4$, 0.087% $C_2H_6$ in $N_2$, $\Phi = 0.6$, $p = 10.0$ atm, $\tau = 0.25$ s



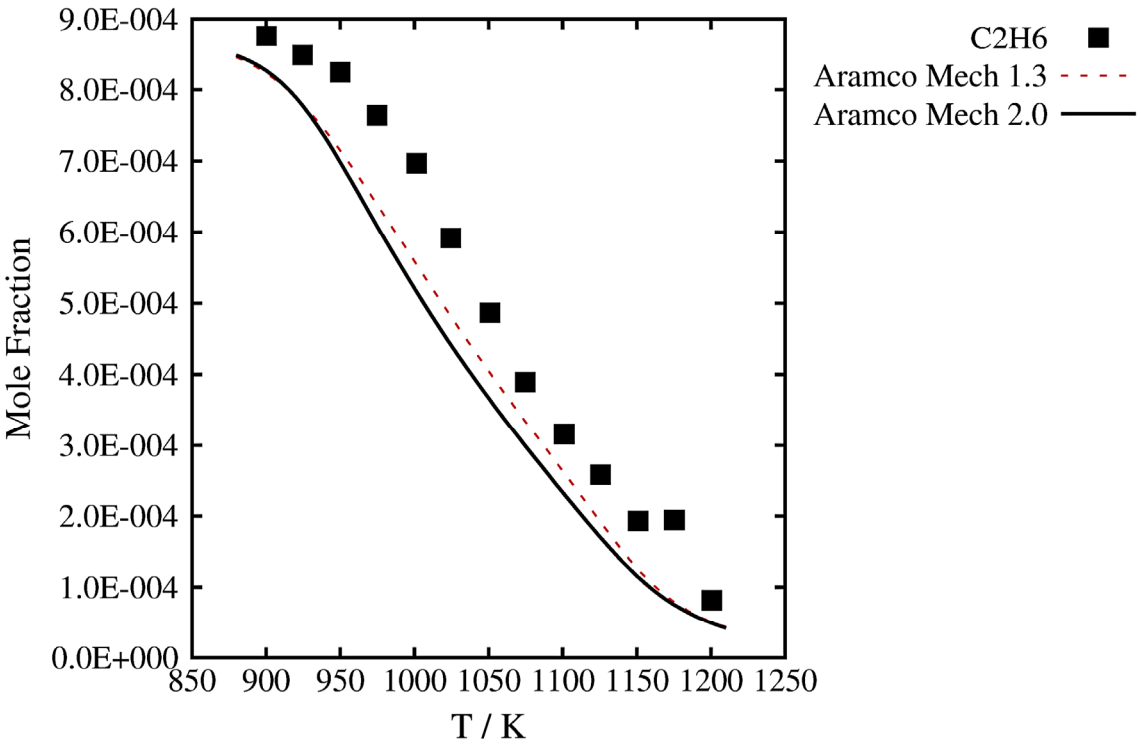
0.913% $CH_4$, 0.087% $C_2H_6$ in $N_2$, $\Phi = 0.6$, $p = 10.0$ atm, $\tau = 0.25$ s



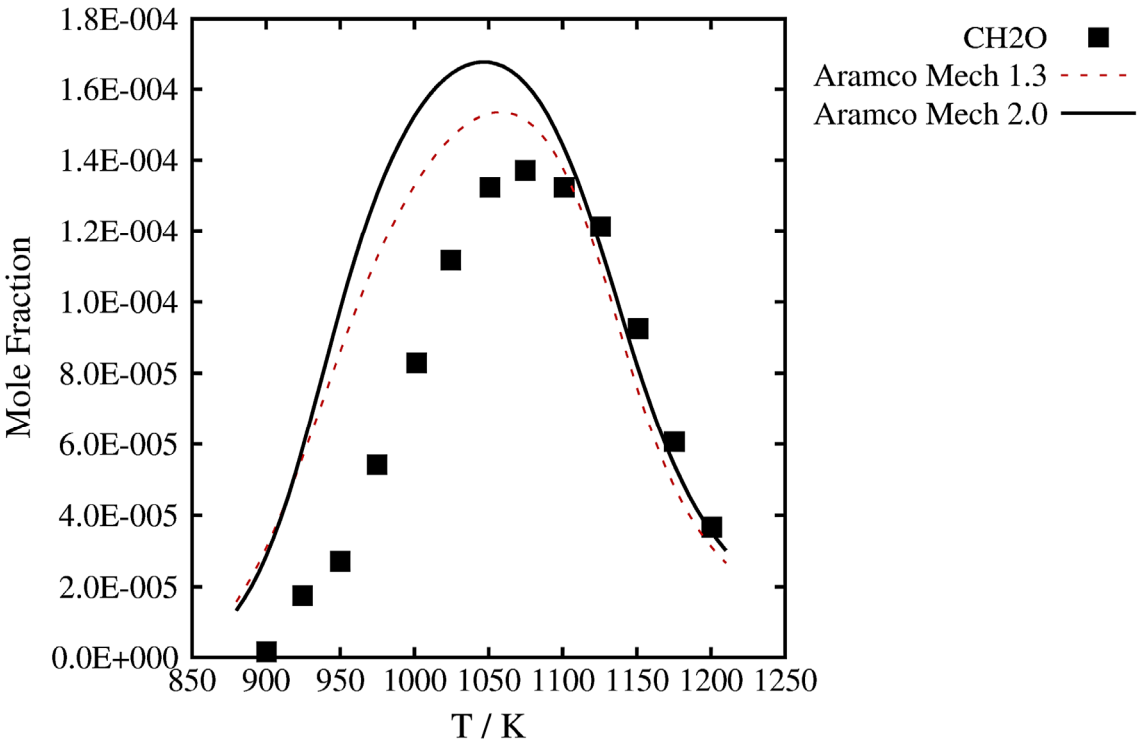

0.913% $CH_4$, 0.087% $C_2H_6$ in $N_2$, $\Phi = 1.0$, $p = 10.0$ atm, $\tau = 0.25$ s



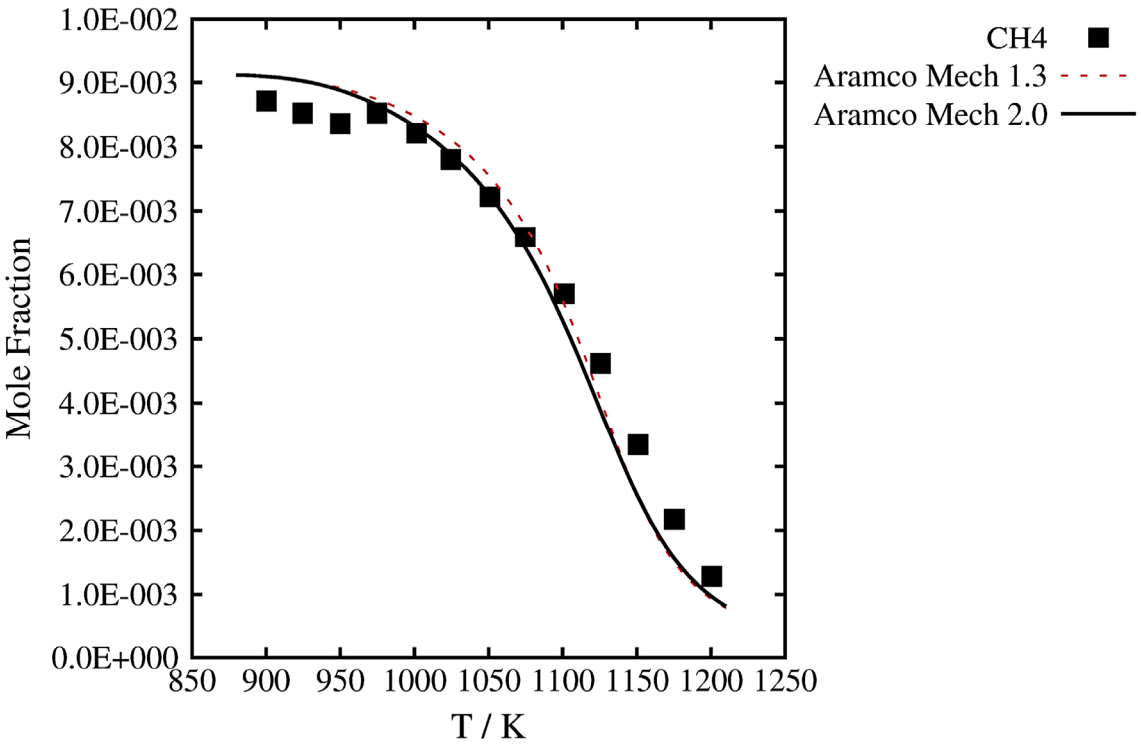
0.913% $CH_4$, 0.087% $C_2H_6$ in $N_2$, $\Phi = 1.0$, $p = 10.0$ atm, $\tau = 0.25$ s



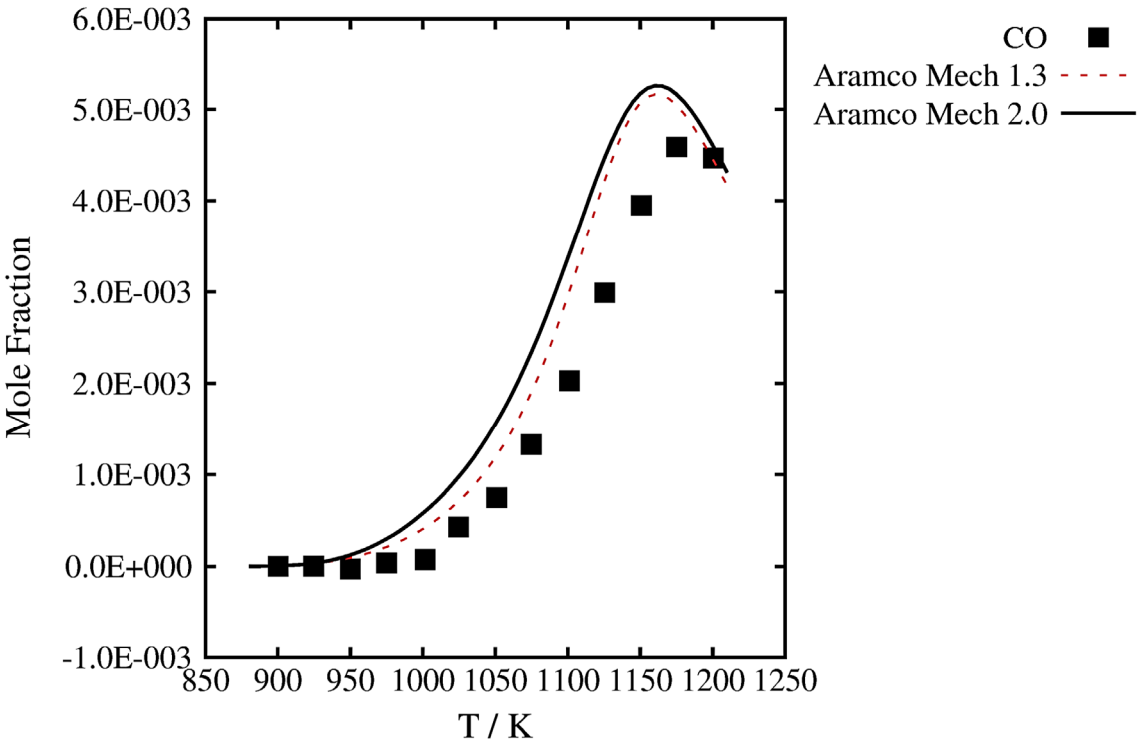

0.913% $CH_4$, 0.087% $C_2H_6$ in $N_2$, $\Phi = 1.0$, $p = 10.0$ atm, $\tau = 0.25$ s



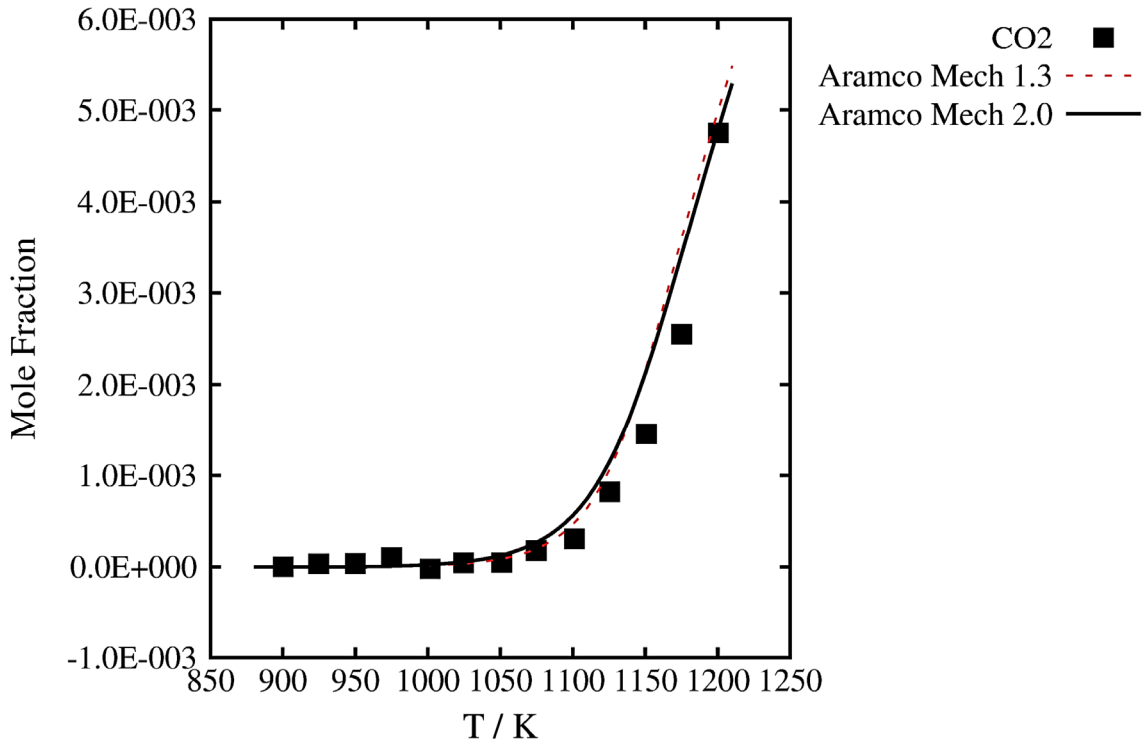
0.913% $CH_4$, 0.087% $C_2H_6$ in $N_2$, $\Phi = 1.0$, $p = 10.0$ atm, $\tau = 0.25$ s



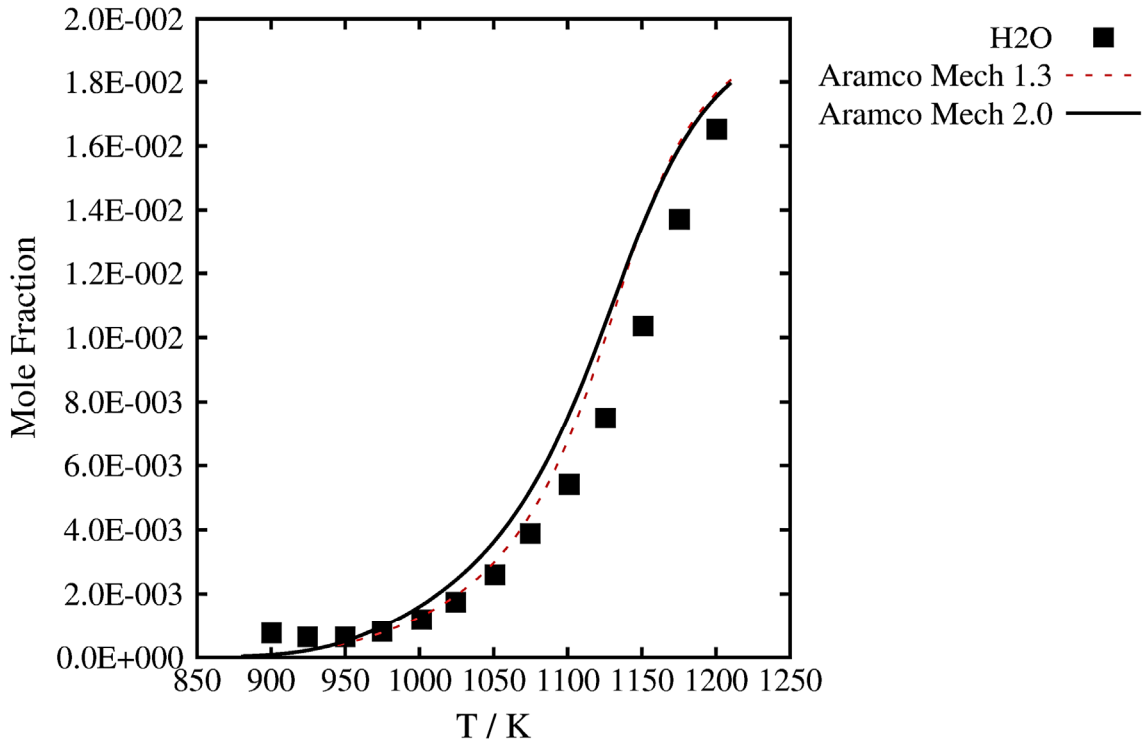

0.913% $CH_4$, 0.087% $C_2H_6$ in $N_2$, $\Phi = 1.0$, $p = 10.0$ atm, $\tau = 0.25$ s

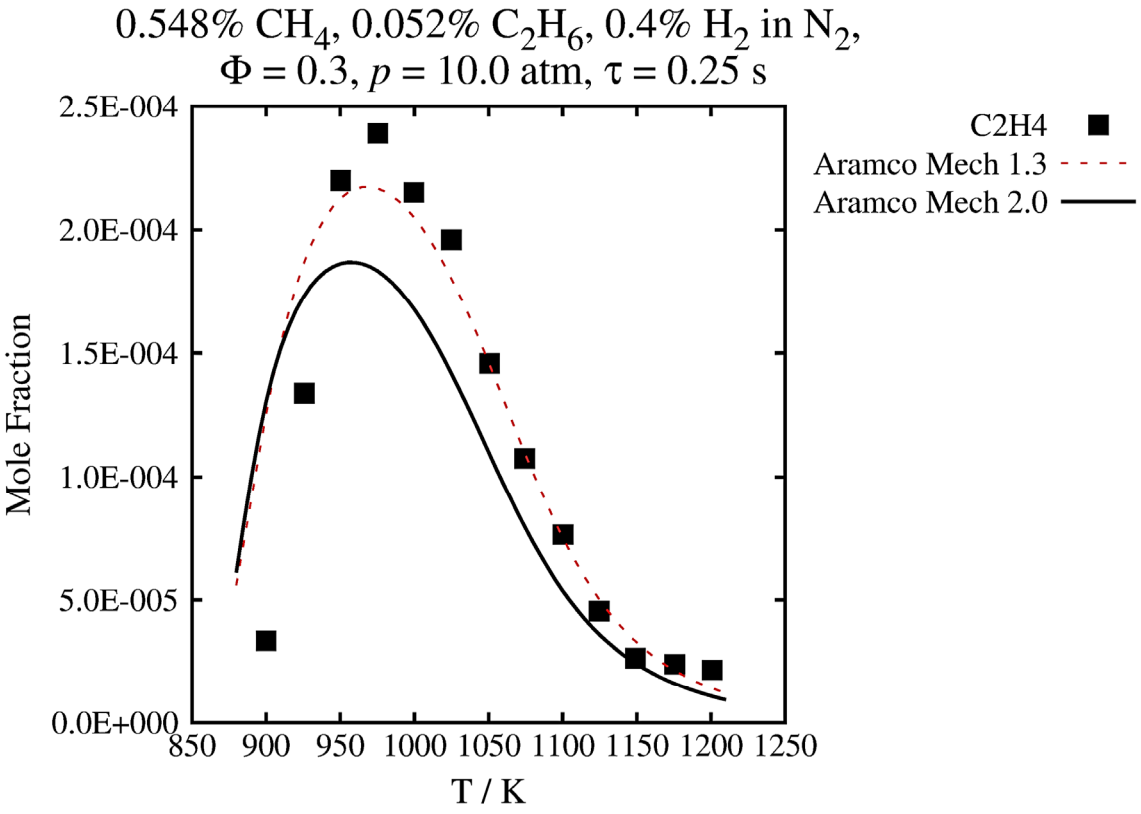


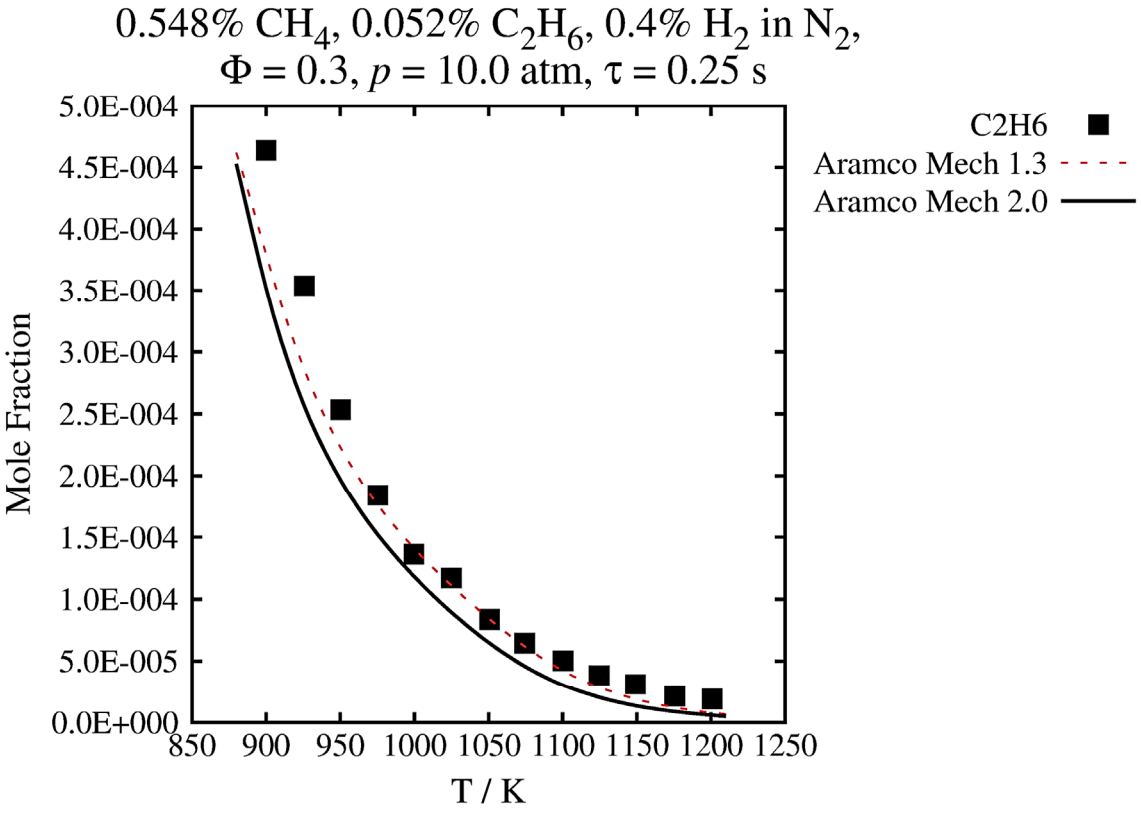
0.913% $CH_4$, 0.087% $C_2H_6$ in $N_2$, $\Phi = 1.0$, $p = 10.0$ atm, $\tau = 0.25$ s

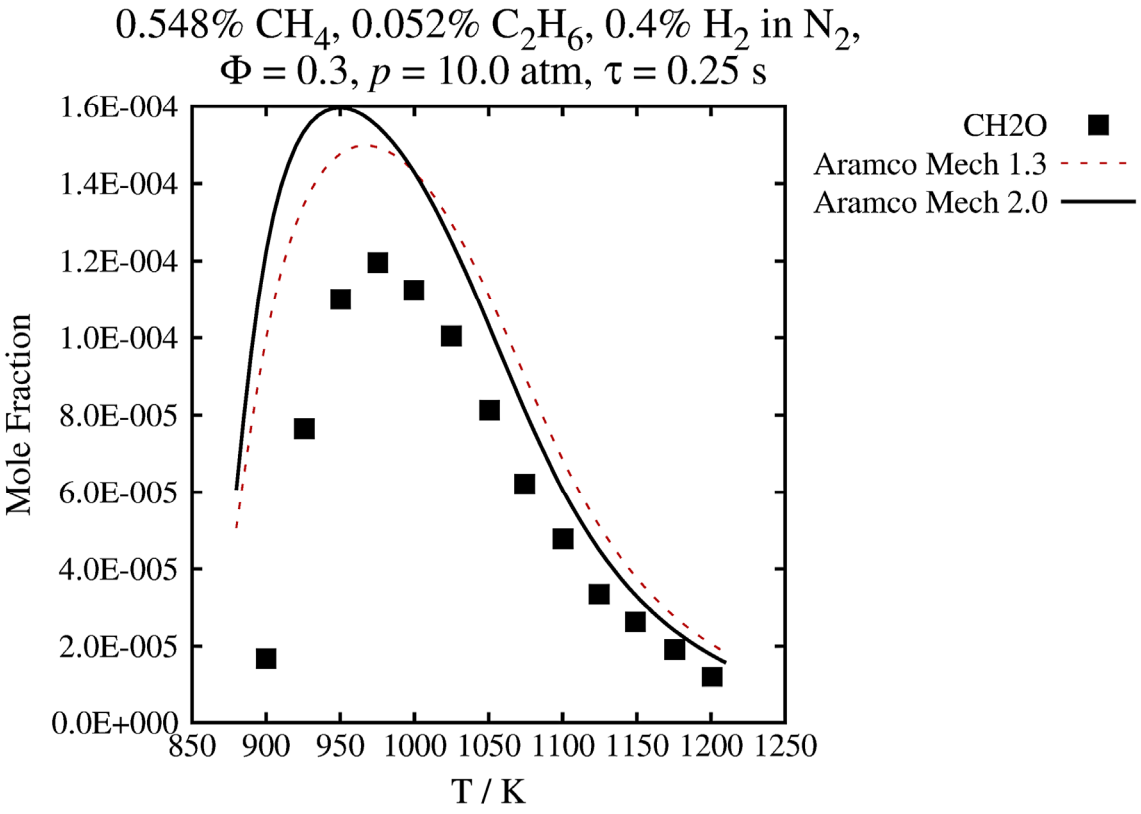


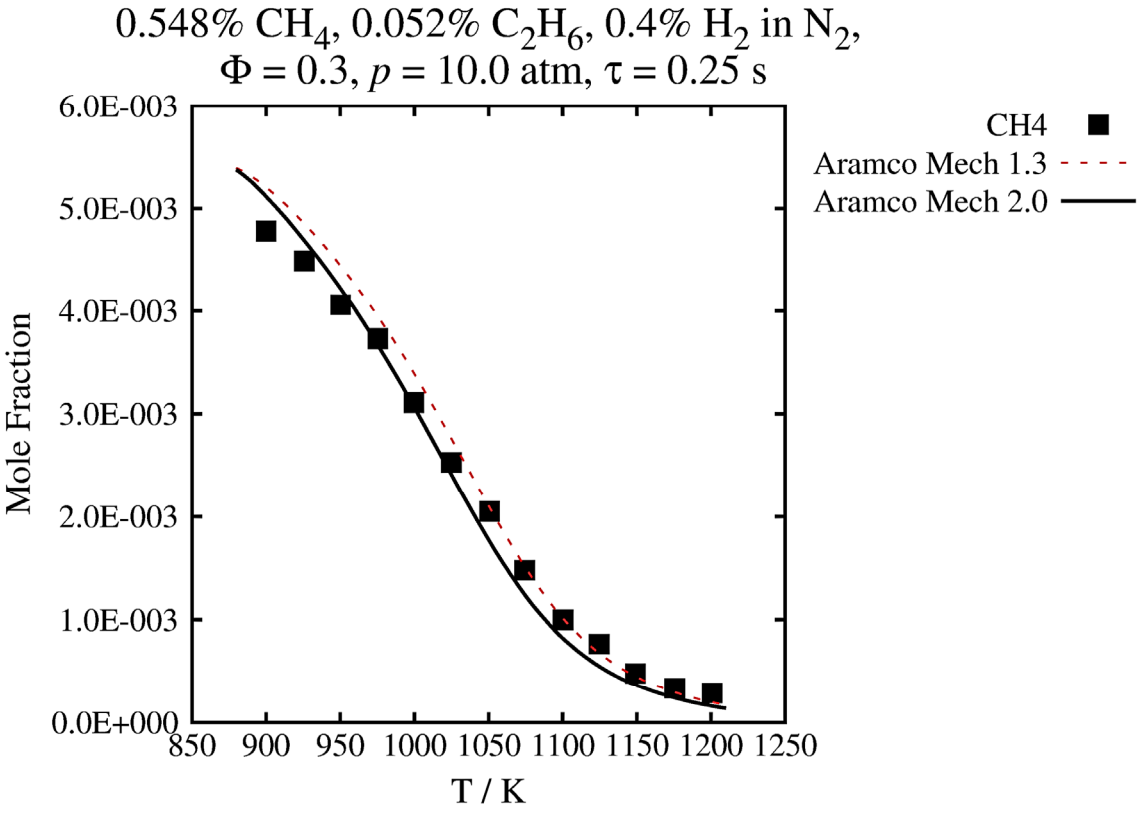

0.913% $CH_4$, 0.087% $C_2H_6$ in $N_2$, $\Phi = 1.0$, $p = 10.0$ atm, $\tau = 0.25$ s

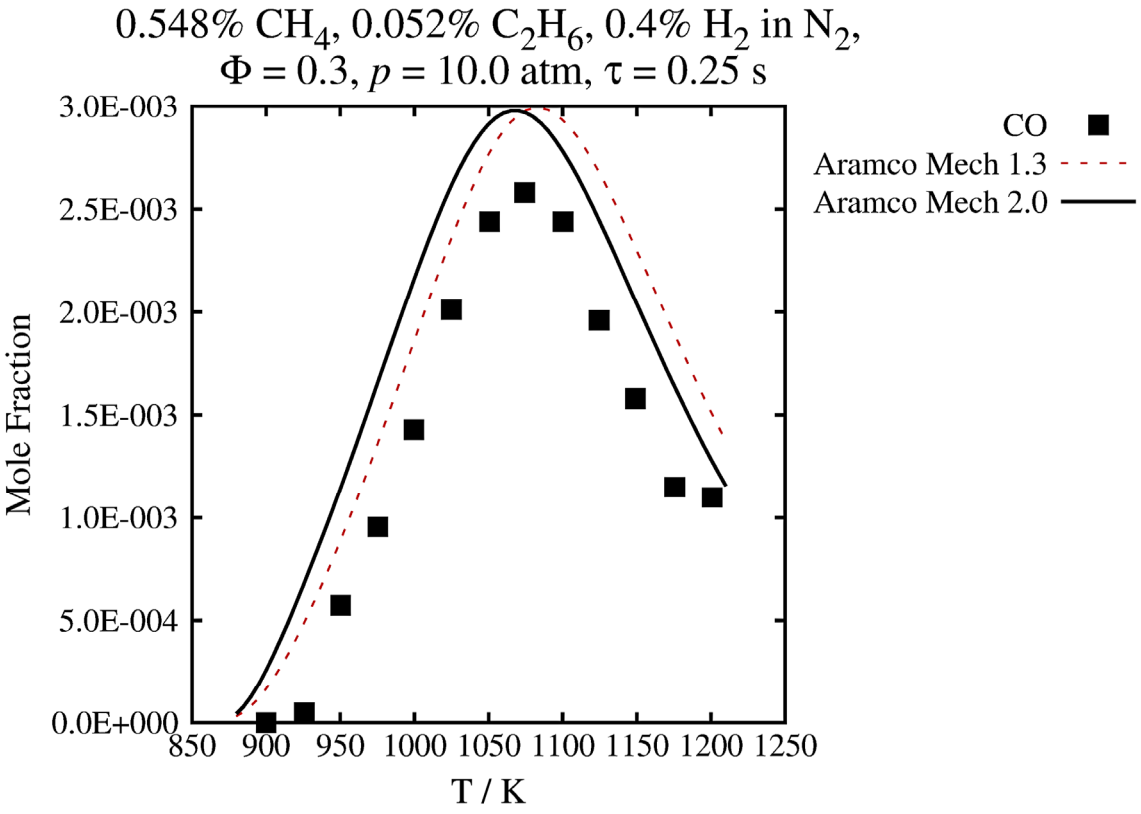


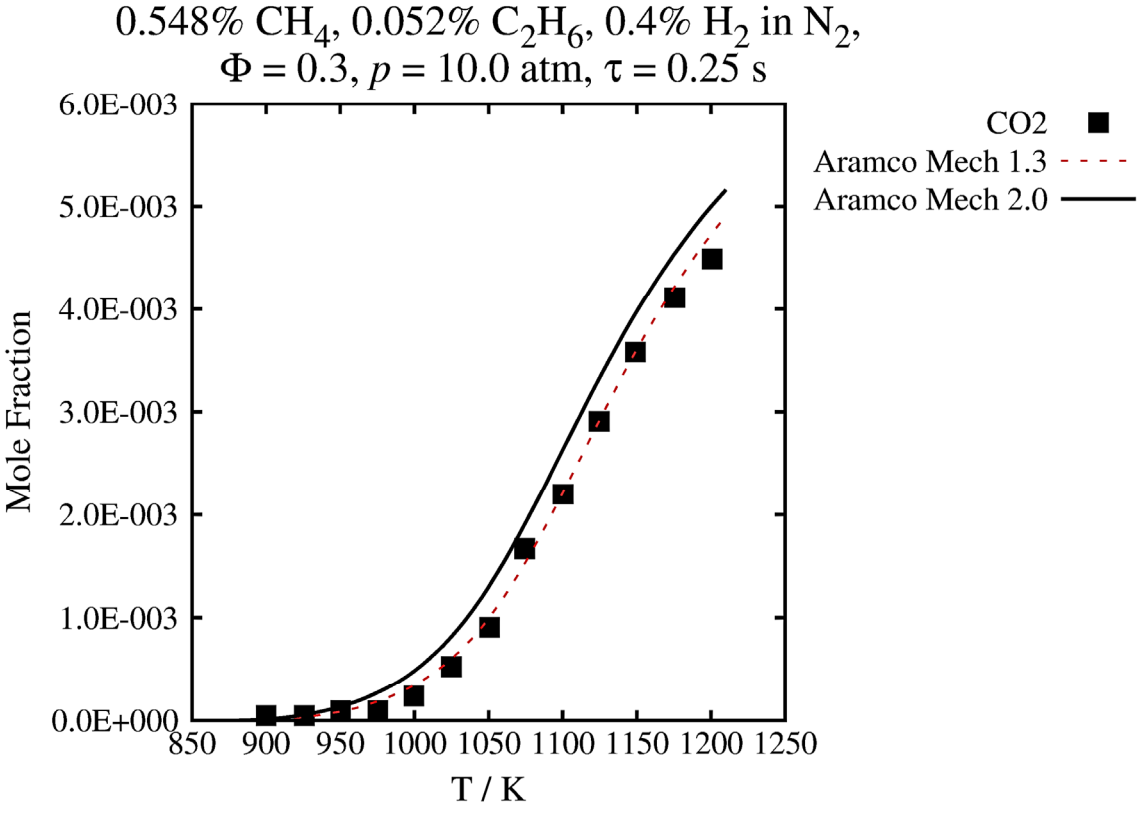

0.548% CH4, 0.052% C2H6, 0.4% H2 in N2,
Φ = 0.3, p = 10.0 atm, τ = 0.25 s
Mole Fraction
T / K
C2H4
Aramco Mech 1.3
Aramco Mech 2.0
2.5E-004
2.0E-004
1.5E-004
1.0E-004
5.0E-005
0.0E+000
850 900 950 1000 1050 1100 1150 1200 1250

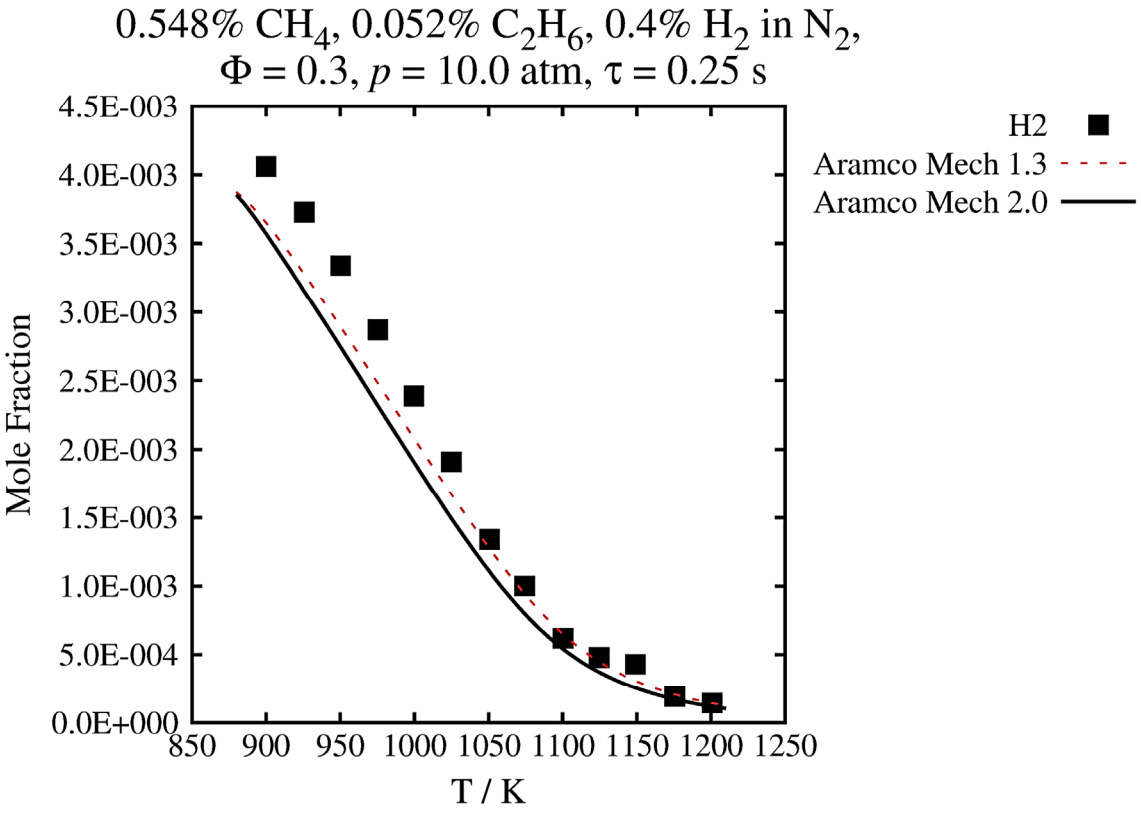

0.548% CH4, 0.052% C2H6, 0.4% H2 in N2,
Φ = 0.3, p = 10.0 atm, τ = 0.25 s
Mole Fraction
T / K
C2H6
Aramco Mech 1.3
Aramco Mech 2.0
5.0E-004
4.5E-004
4.0E-004
3.5E-004
3.0E-004
2.5E-004
2.0E-004
1.5E-004
1.0E-004
5.0E-005
0.0E+000
850 900 950 1000 1050 1100 1150 1200 1250

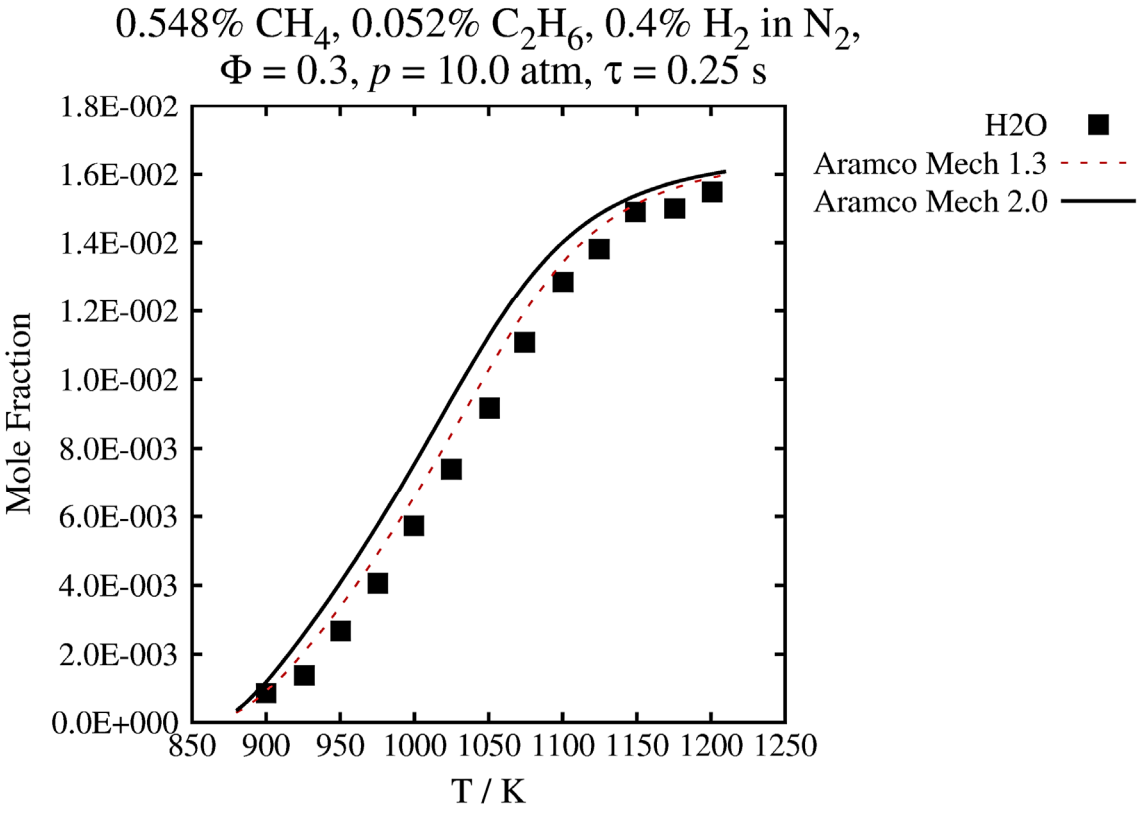

0.548% CH4, 0.052% C2H6, 0.4% H2 in N2,
Φ = 0.3, p = 10.0 atm, τ = 0.25 s
Mole Fraction
T / K
CH2O
Aramco Mech 1.3
Aramco Mech 2.0
1.6E-004
1.4E-004
1.2E-004
1.0E-004
8.0E-005
6.0E-005
4.0E-005
2.0E-005
0.0E+000
850 900 950 1000 1050 1100 1150 1200 1250

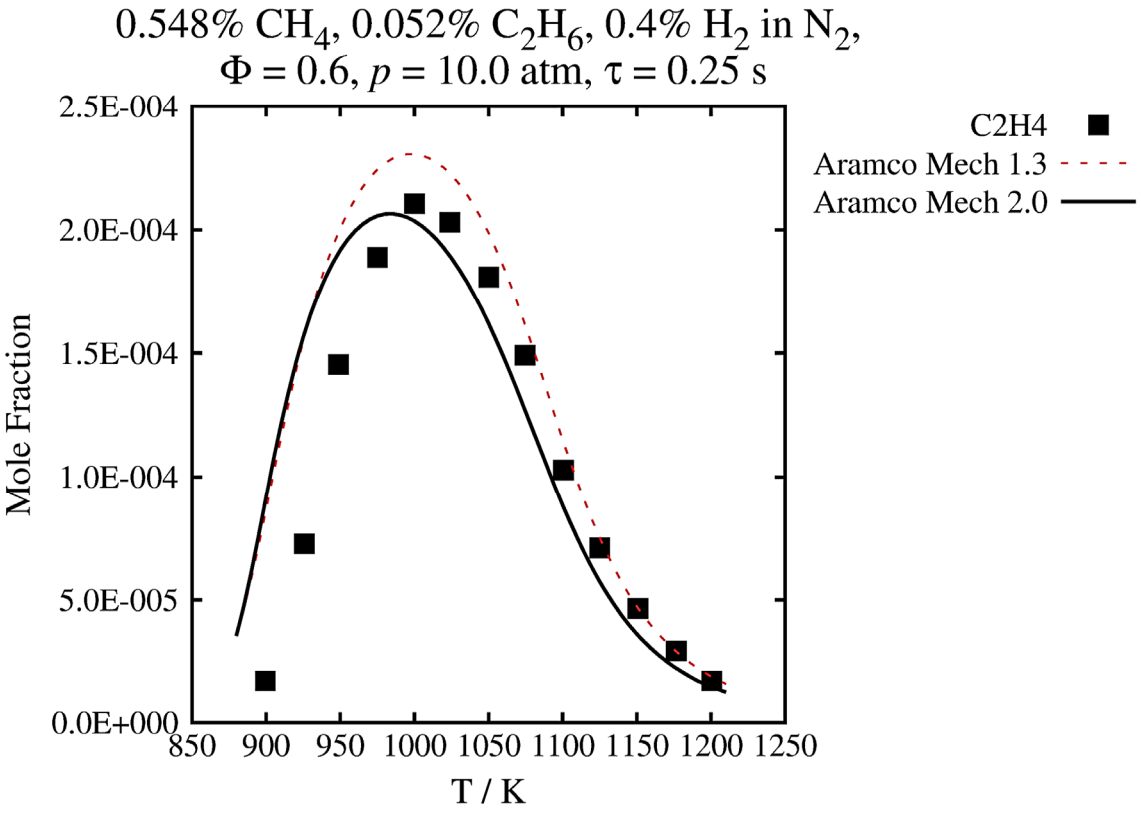

0.548% CH4, 0.052% C2H6, 0.4% H2 in N2,
Φ = 0.3, p = 10.0 atm, τ = 0.25 s
Mole Fraction
T / K
CH4
Aramco Mech 1.3
Aramco Mech 2.0
6.0E-003
5.0E-003
4.0E-003
3.0E-003
2.0E-003
1.0E-003
0.0E+000
850 900 950 1000 1050 1100 1150 1200 1250

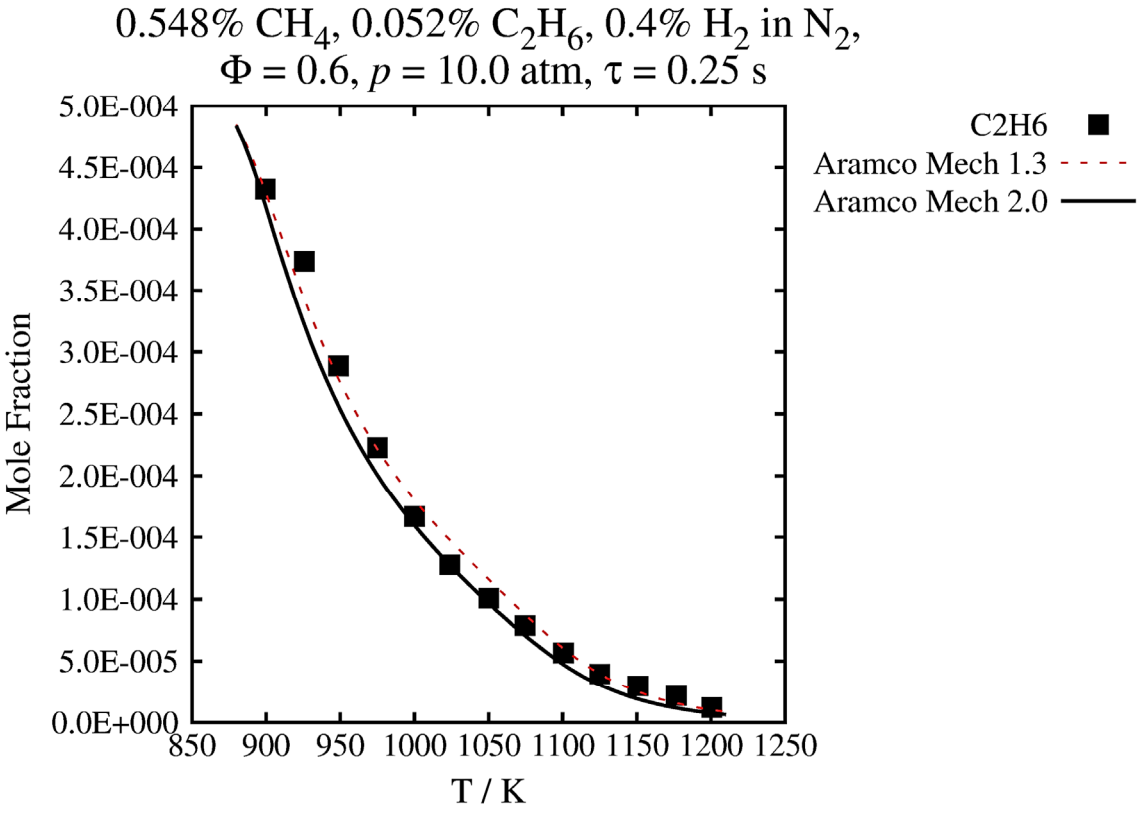

0.548% CH4, 0.052% C2H6, 0.4% H2 in N2,
Φ = 0.3, p = 10.0 atm, τ = 0.25 s
Mole Fraction
3.0E-003
2.5E-003
2.0E-003
1.5E-003
1.0E-003
5.0E-004
0.0E+000
850 900 950 1000 1050 1100 1150 1200 1250
T / K
CO
Aramco Mech 1.3
Aramco Mech 2.0

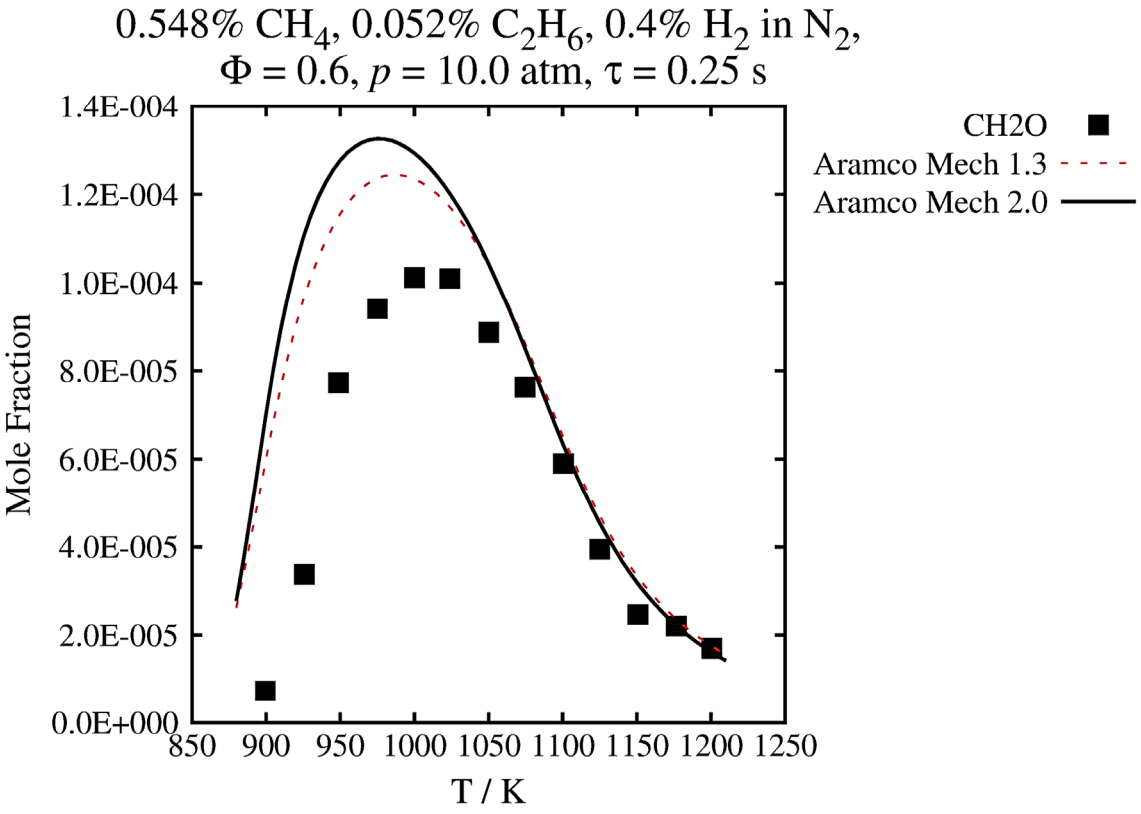

0.548% CH4, 0.052% C2H6, 0.4% H2 in N2,
Φ = 0.3, p = 10.0 atm, τ = 0.25 s
Mole Fraction
6.0E-003
5.0E-003
4.0E-003
3.0E-003
2.0E-003
1.0E-003
0.0E+000
850 900 950 1000 1050 1100 1150 1200 1250
T / K
CO2
Aramco Mech 1.3
Aramco Mech 2.0

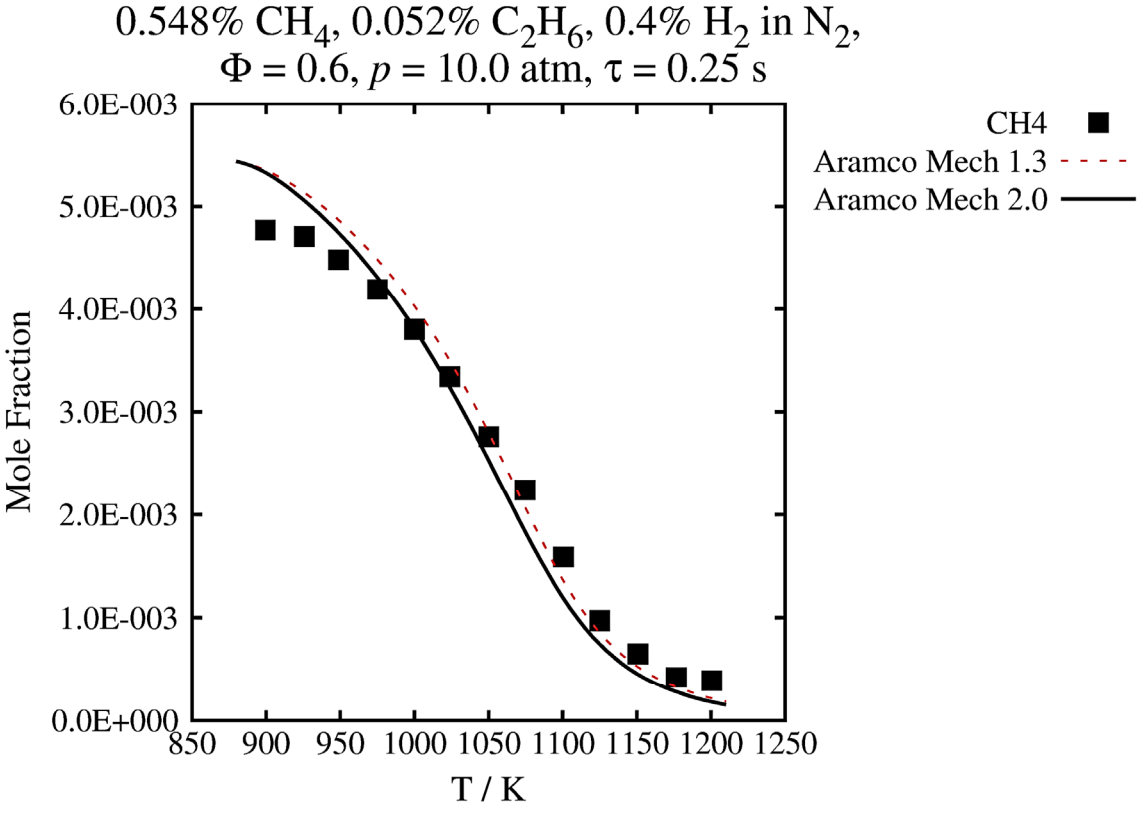

0.548% CH4, 0.052% C2H6, 0.4% H2 in N2,
Φ = 0.3, p = 10.0 atm, τ = 0.25 s
Mole Fraction
T / K
H2
Aramco Mech 1.3
Aramco Mech 2.0
4.5E-003
4.0E-003
3.5E-003
3.0E-003
2.5E-003
2.0E-003
1.5E-003
1.0E-003
5.0E-004
0.0E+000
850 900 950 1000 1050 1100 1150 1200 1250

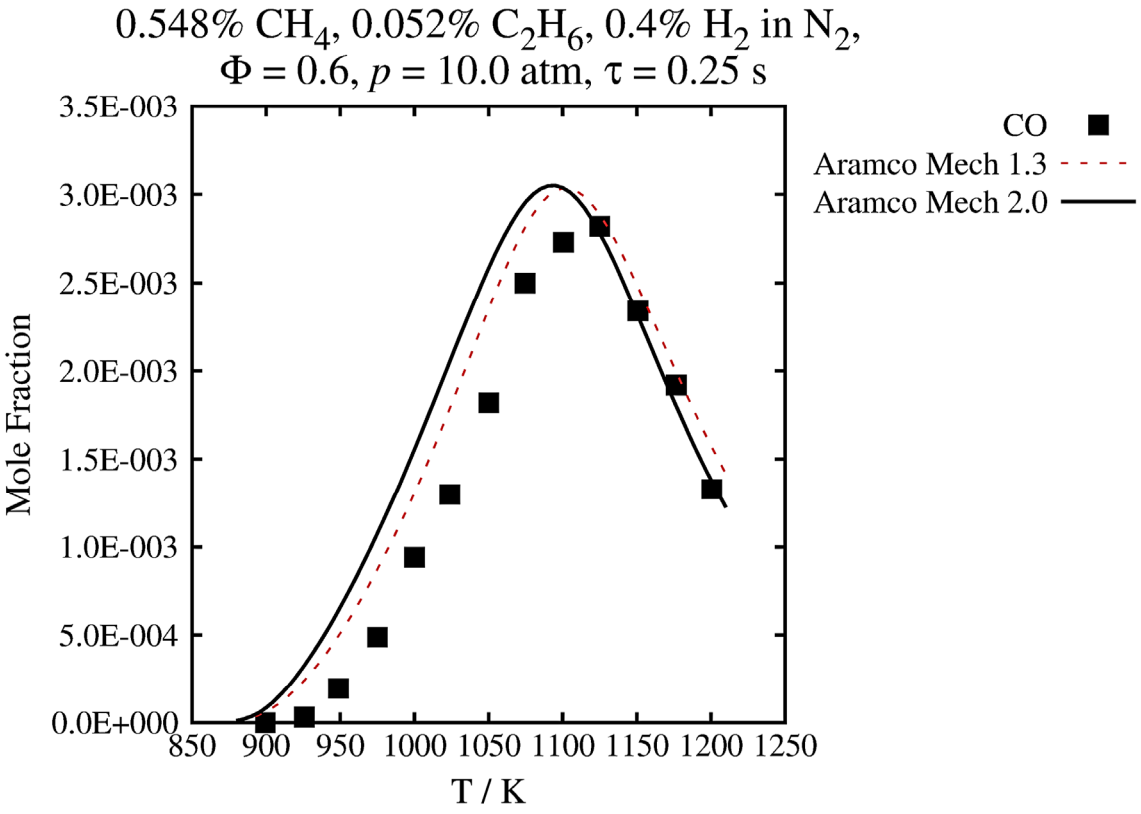

0.548% CH4, 0.052% C2H6, 0.4% H2 in N2,
Φ = 0.3, p = 10.0 atm, τ = 0.25 s
Mole Fraction
T / K
H2O
Aramco Mech 1.3
Aramco Mech 2.0
1.8E-002
1.6E-002
1.4E-002
1.2E-002
1.0E-002
8.0E-003
6.0E-003
4.0E-003
2.0E-003
0.0E+000
850 900 950 1000 1050 1100 1150 1200 1250

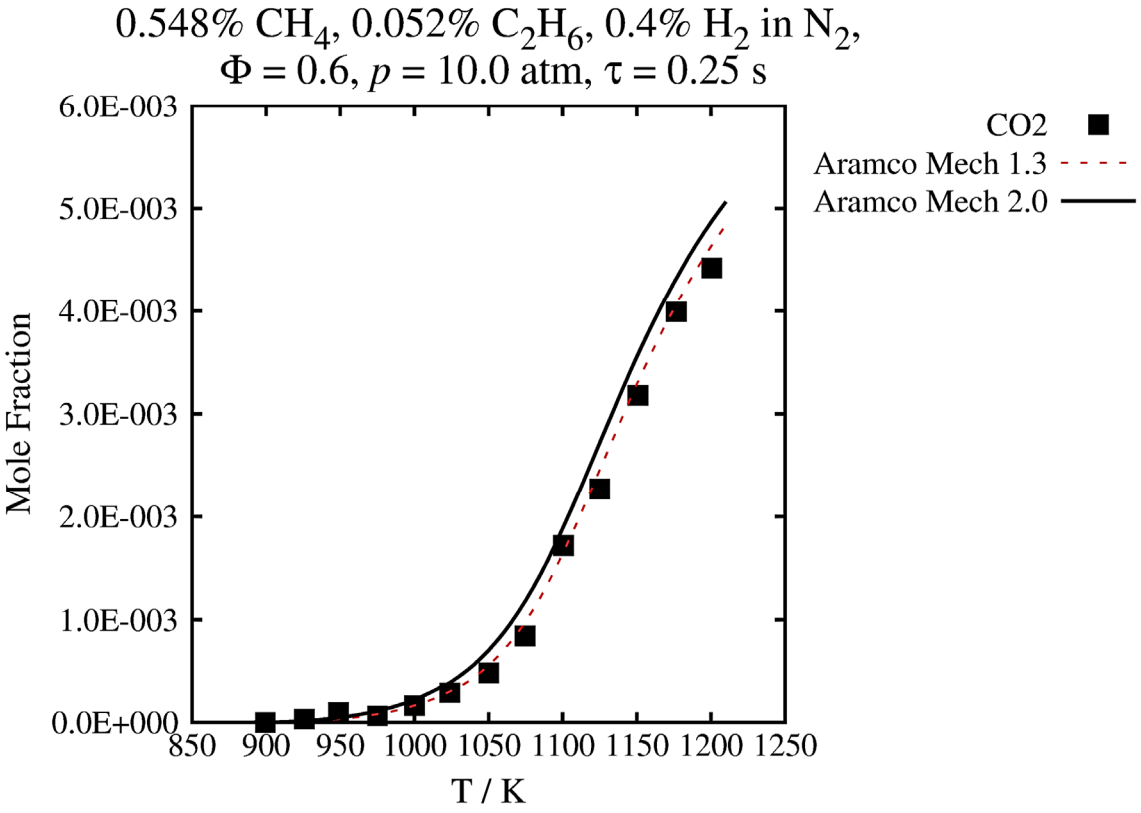

0.548% CH4, 0.052% C2H6, 0.4% H2 in N2,
Φ = 0.6, p = 10.0 atm, τ = 0.25 s
Mole Fraction
T / K
2.5E-004
2.0E-004
1.5E-004
1.0E-004
5.0E-005
0.0E+000
850 900 950 1000 1050 1100 1150 1200 1250
C2H4
Aramco Mech 1.3
Aramco Mech 2.0

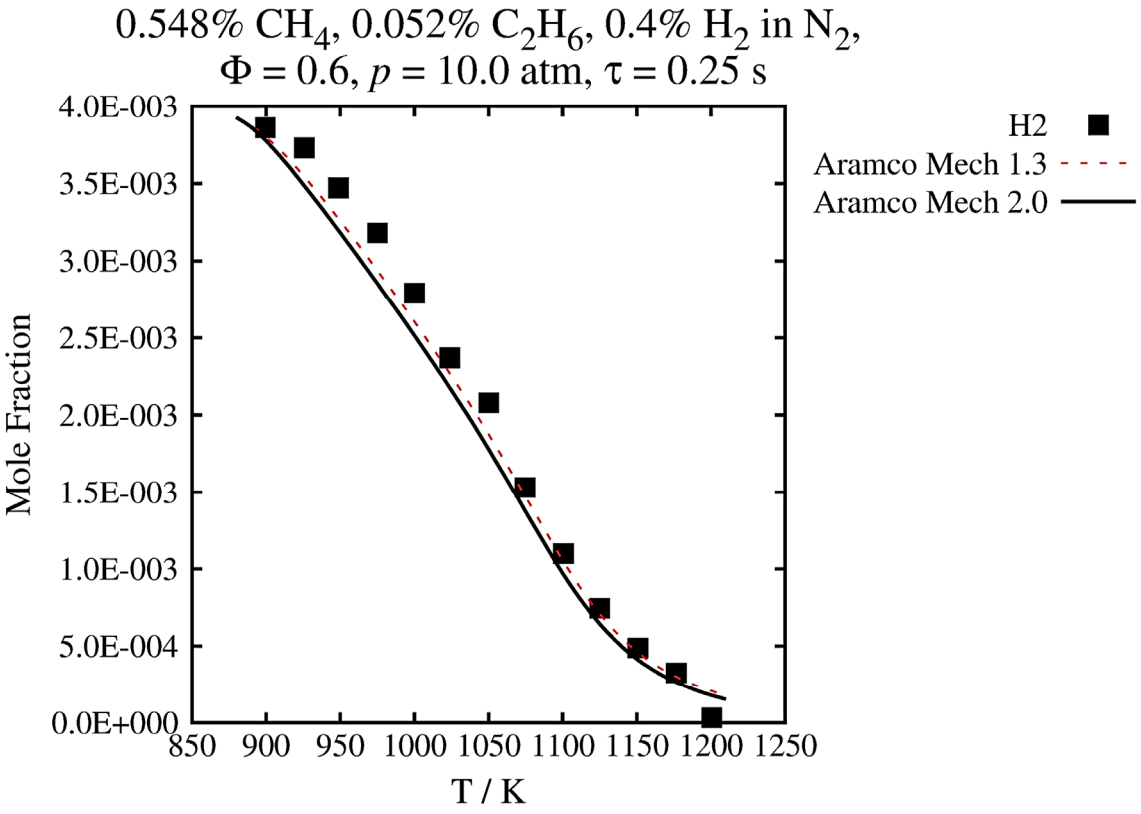

0.548% CH4, 0.052% C2H6, 0.4% H2 in N2,
Φ = 0.6, p = 10.0 atm, τ = 0.25 s
Mole Fraction
T / K
5.0E-004
4.5E-004
4.0E-004
3.5E-004
3.0E-004
2.5E-004
2.0E-004
1.5E-004
1.0E-004
5.0E-005
0.0E+000
850 900 950 1000 1050 1100 1150 1200 1250
C2H6
Aramco Mech 1.3
Aramco Mech 2.0

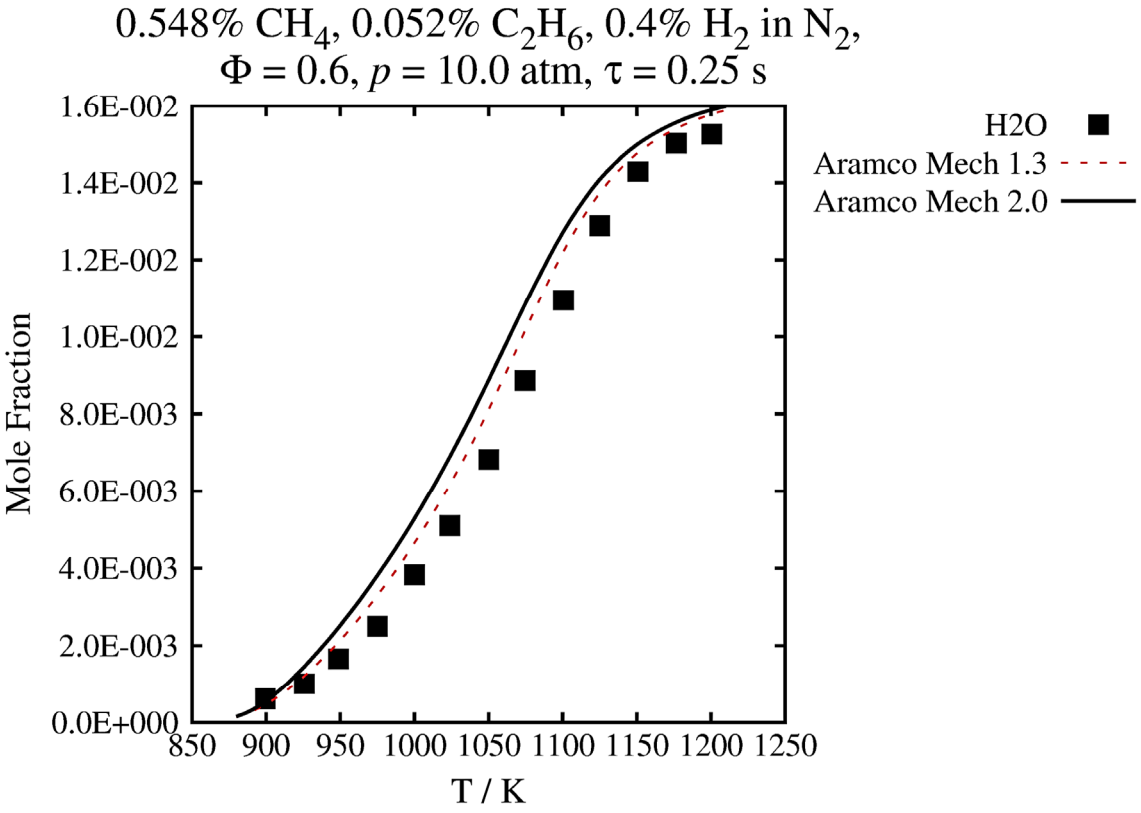

0.548% CH4, 0.052% C2H6, 0.4% H2 in N2,
Φ = 0.6, p = 10.0 atm, τ = 0.25 s
Mole Fraction
T / K
CH2O
Aramco Mech 1.3
Aramco Mech 2.0
1.4E-004
1.2E-004
1.0E-004
8.0E-005
6.0E-005
4.0E-005
2.0E-005
0.0E+000
850 900 950 1000 1050 1100 1150 1200 1250

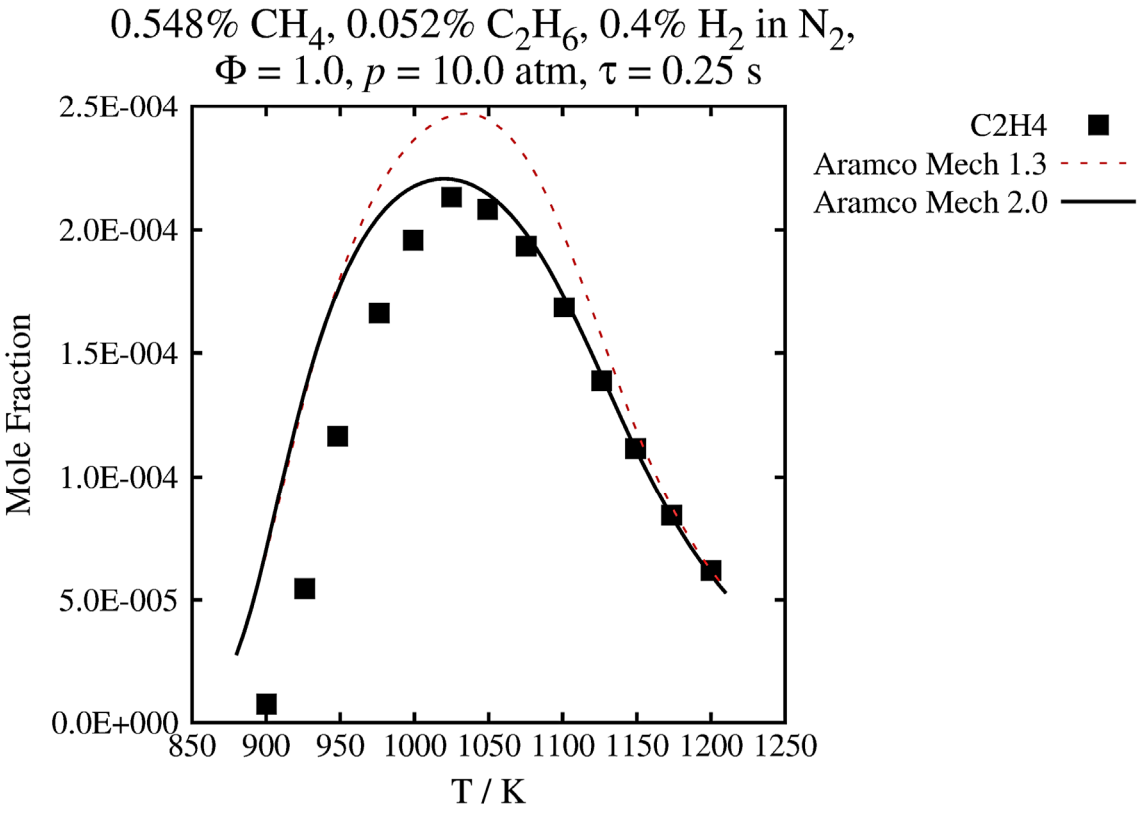

0.548% CH4, 0.052% C2H6, 0.4% H2 in N2,
Φ = 0.6, p = 10.0 atm, τ = 0.25 s
Mole Fraction
T / K
CH4
Aramco Mech 1.3
Aramco Mech 2.0
6.0E-003
5.0E-003
4.0E-003
3.0E-003
2.0E-003
1.0E-003
0.0E+000
850 900 950 1000 1050 1100 1150 1200 1250

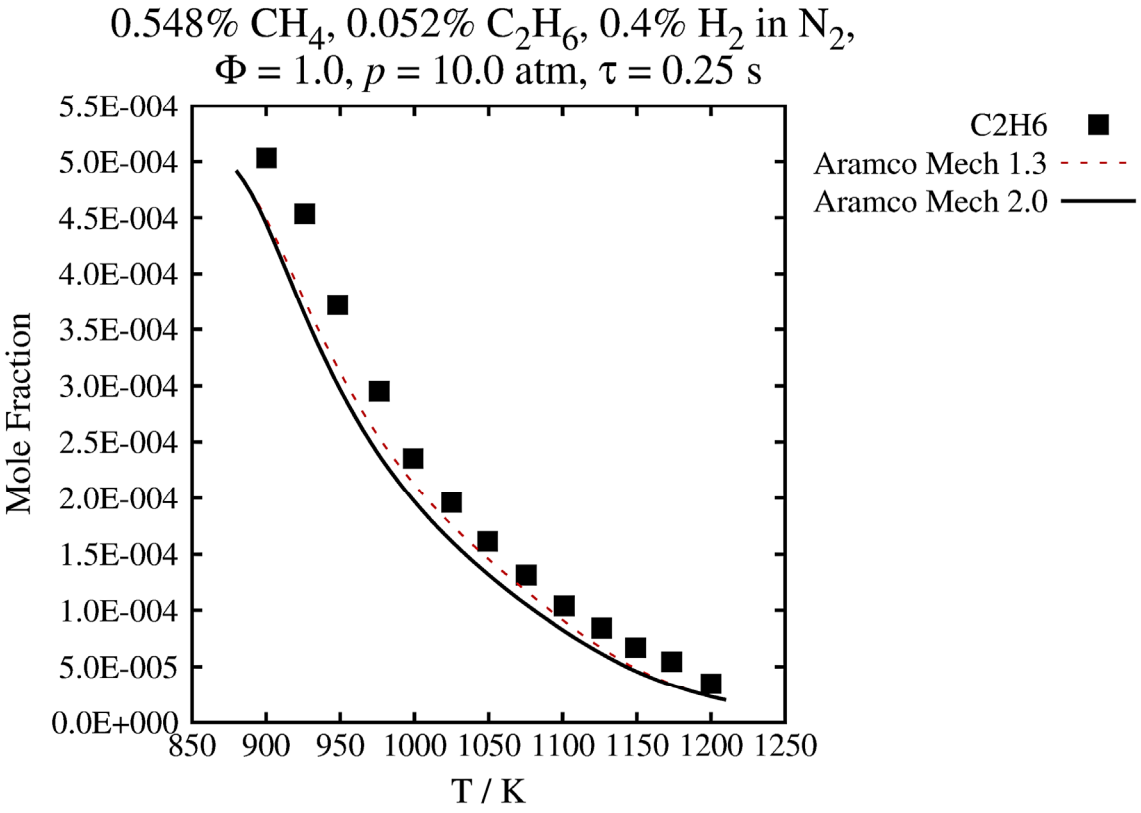

0.548% CH4, 0.052% C2H6, 0.4% H2 in N2,
Φ = 0.6, p = 10.0 atm, τ = 0.25 s
Mole Fraction
3.5E-003
3.0E-003
2.5E-003
2.0E-003
1.5E-003
1.0E-003
5.0E-004
0.0E+000
850 900 950 1000 1050 1100 1150 1200 1250
T / K
CO
Aramco Mech 1.3
Aramco Mech 2.0

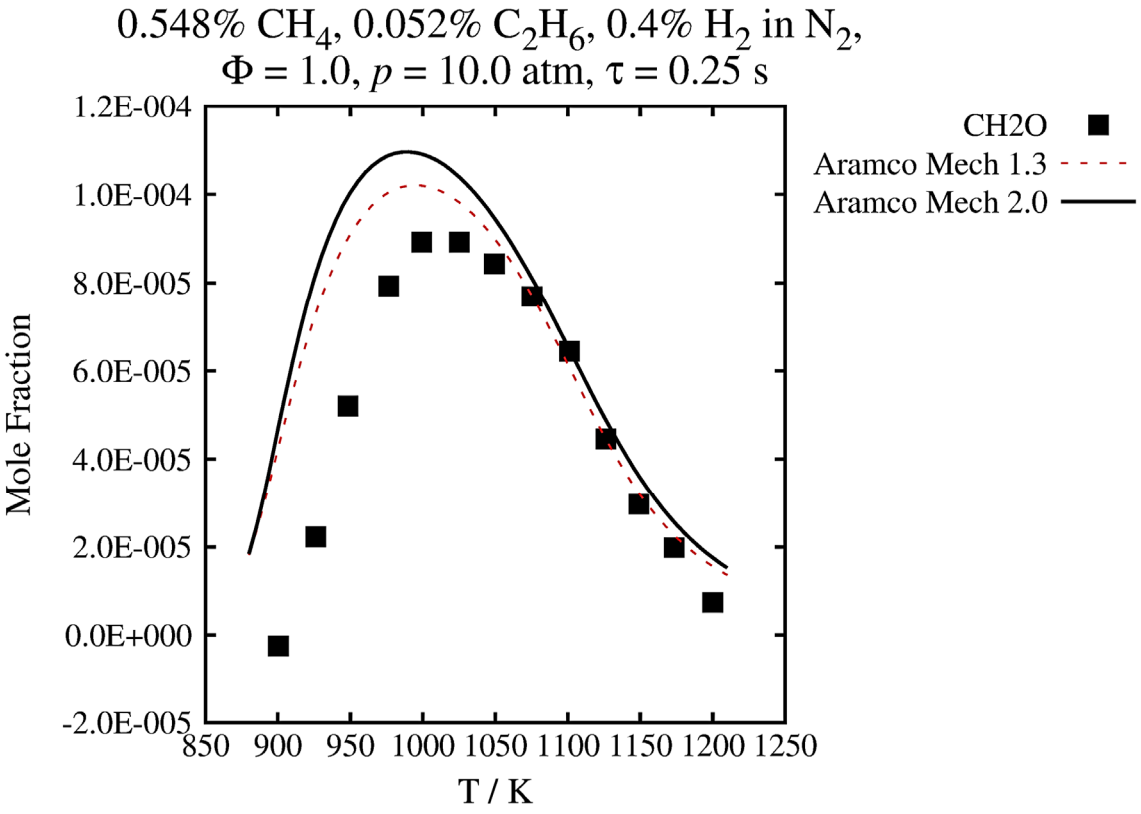

0.548% CH4, 0.052% C2H6, 0.4% H2 in N2,
Φ = 0.6, p = 10.0 atm, τ = 0.25 s
Mole Fraction
6.0E-003
5.0E-003
4.0E-003
3.0E-003
2.0E-003
1.0E-003
0.0E+000
850 900 950 1000 1050 1100 1150 1200 1250
T / K
CO2
Aramco Mech 1.3
Aramco Mech 2.0

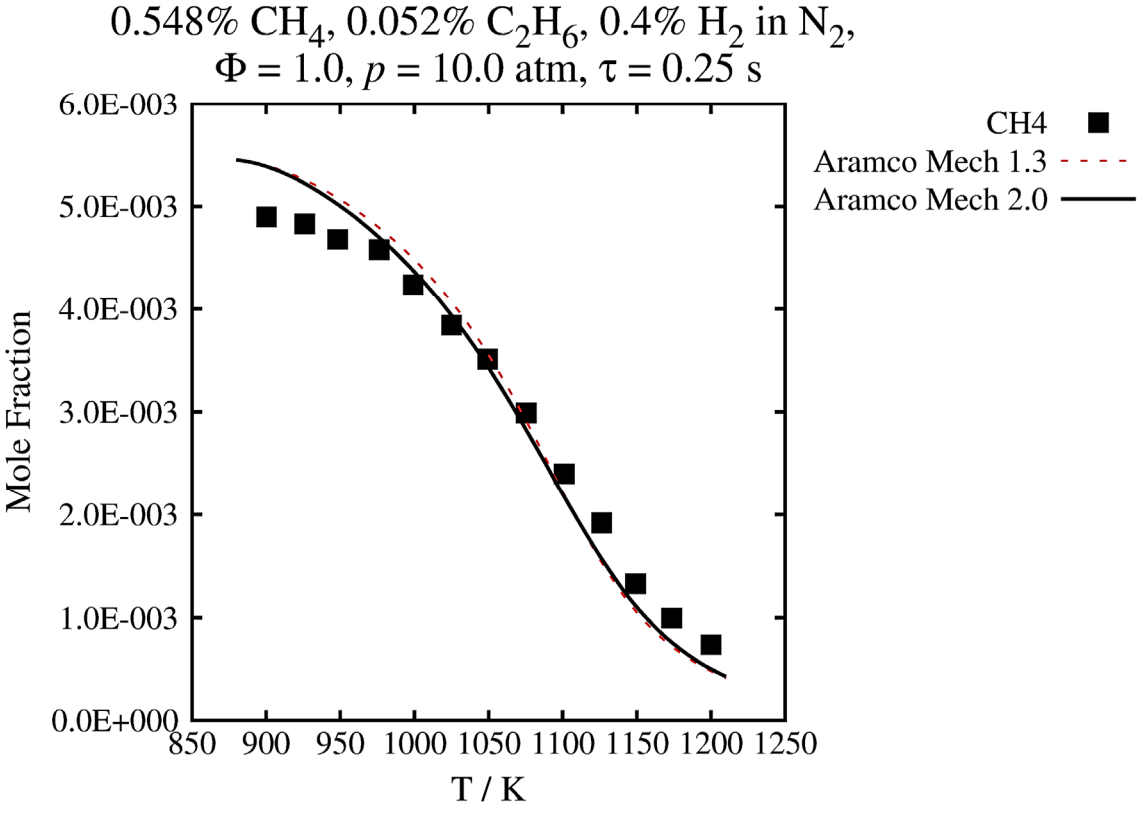

0.548% CH4, 0.052% C2H6, 0.4% H2 in N2,
Φ = 0.6, p = 10.0 atm, τ = 0.25 s
Mole Fraction
T / K
H2
Aramco Mech 1.3
Aramco Mech 2.0
4.0E-003
3.5E-003
3.0E-003
2.5E-003
2.0E-003
1.5E-003
1.0E-003
5.0E-004
0.0E+000
850 900 950 1000 1050 1100 1150 1200 1250

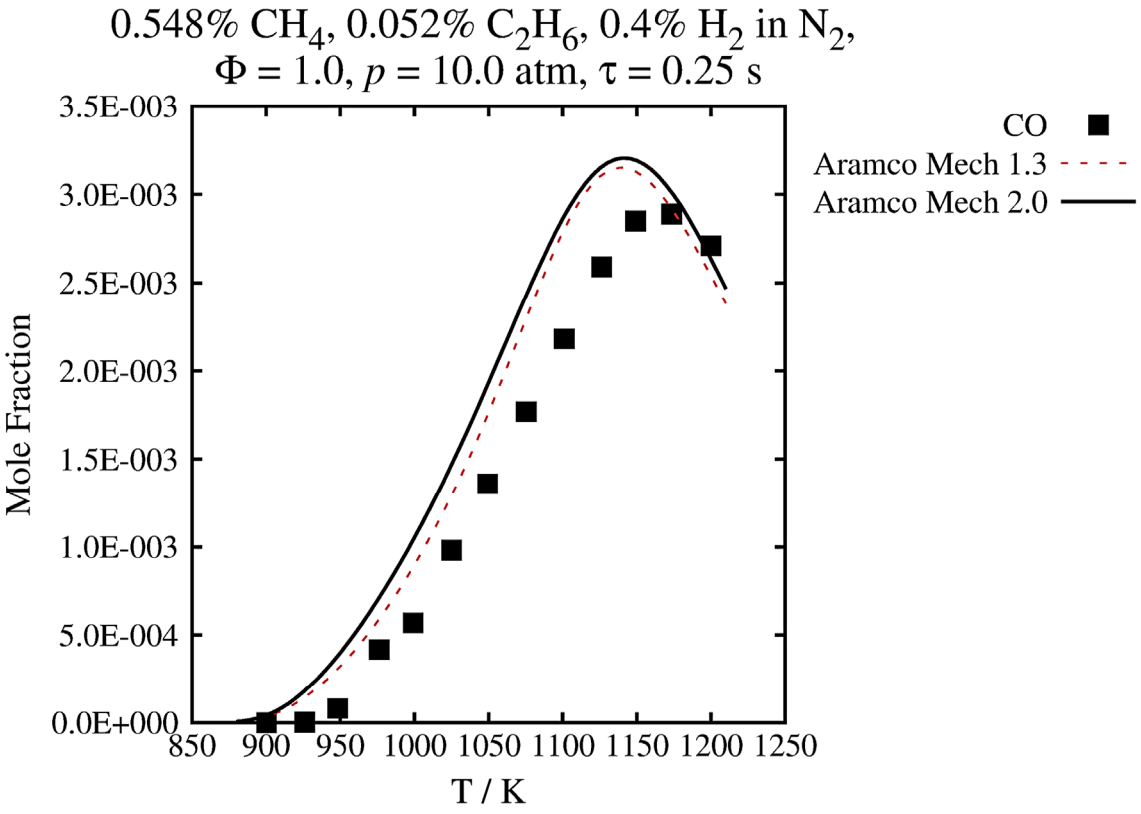

0.548% CH4, 0.052% C2H6, 0.4% H2 in N2,
Φ = 0.6, p = 10.0 atm, τ = 0.25 s
Mole Fraction
T / K
H2O
Aramco Mech 1.3
Aramco Mech 2.0
1.6E-002
1.4E-002
1.2E-002
1.0E-002
8.0E-003
6.0E-003
4.0E-003
2.0E-003
0.0E+000
850 900 950 1000 1050 1100 1150 1200 1250

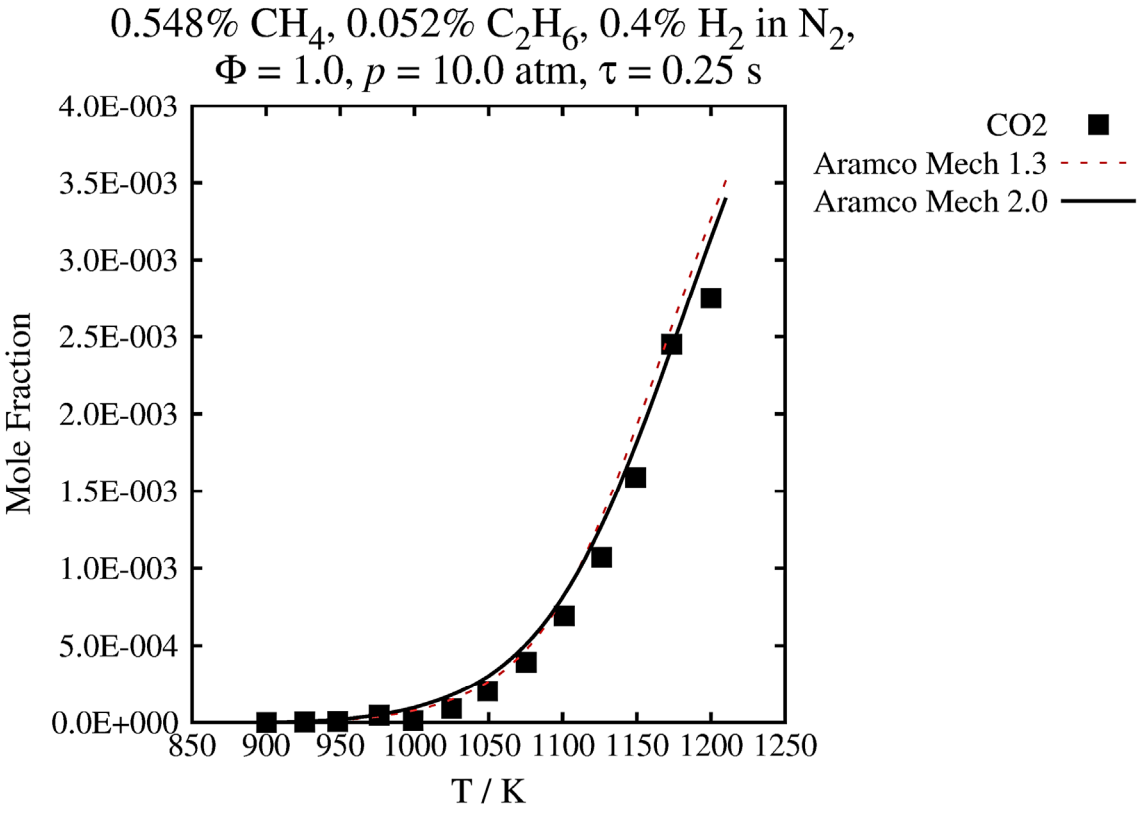

0.548% CH4, 0.052% C2H6, 0.4% H2 in N2,
Φ = 1.0, p = 10.0 atm, τ = 0.25 s
Mole Fraction
T / K
C2H4
Aramco Mech 1.3
Aramco Mech 2.0
2.5E-004
2.0E-004
1.5E-004
1.0E-004
5.0E-005
0.0E+000
850 900 950 1000 1050 1100 1150 1200 1250

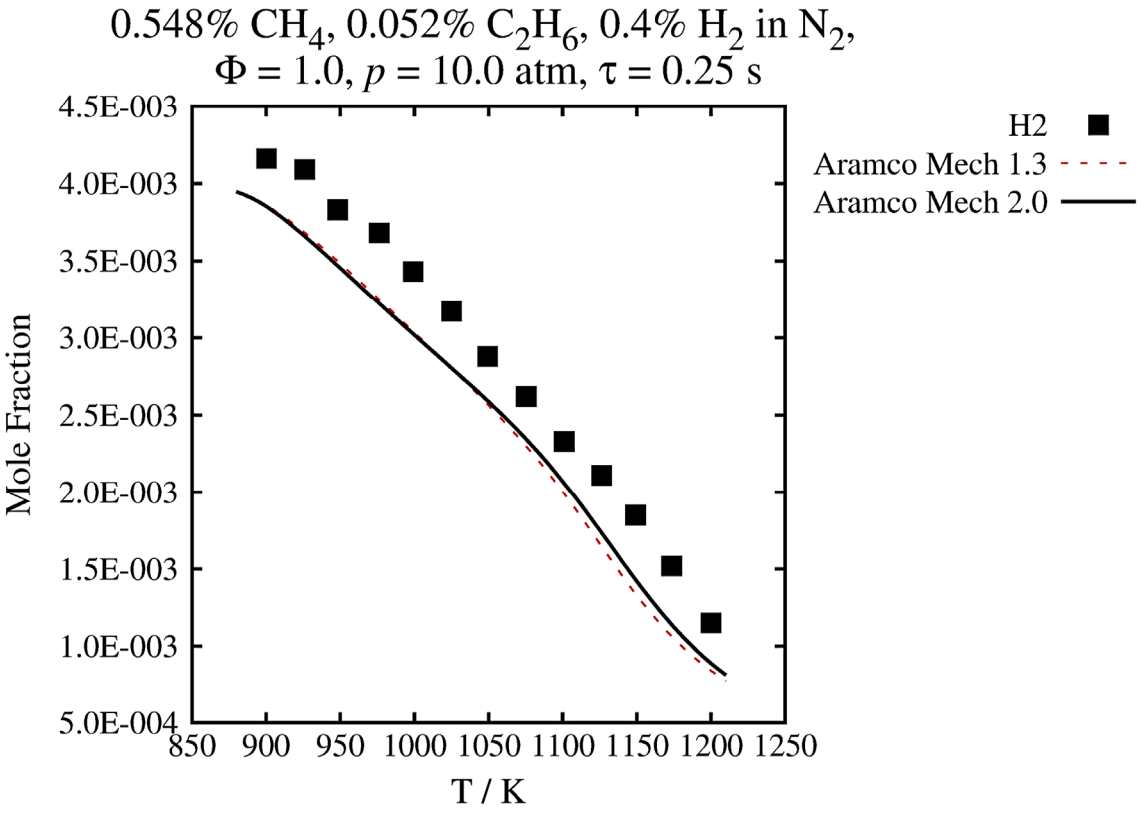

0.548% CH4, 0.052% C2H6, 0.4% H2 in N2,
Φ = 1.0, p = 10.0 atm, τ = 0.25 s
Mole Fraction
T / K
C2H6
Aramco Mech 1.3
Aramco Mech 2.0
5.5E-004
5.0E-004
4.5E-004
4.0E-004
3.5E-004
3.0E-004
2.5E-004
2.0E-004
1.5E-004
1.0E-004
5.0E-005
0.0E+000
850 900 950 1000 1050 1100 1150 1200 1250

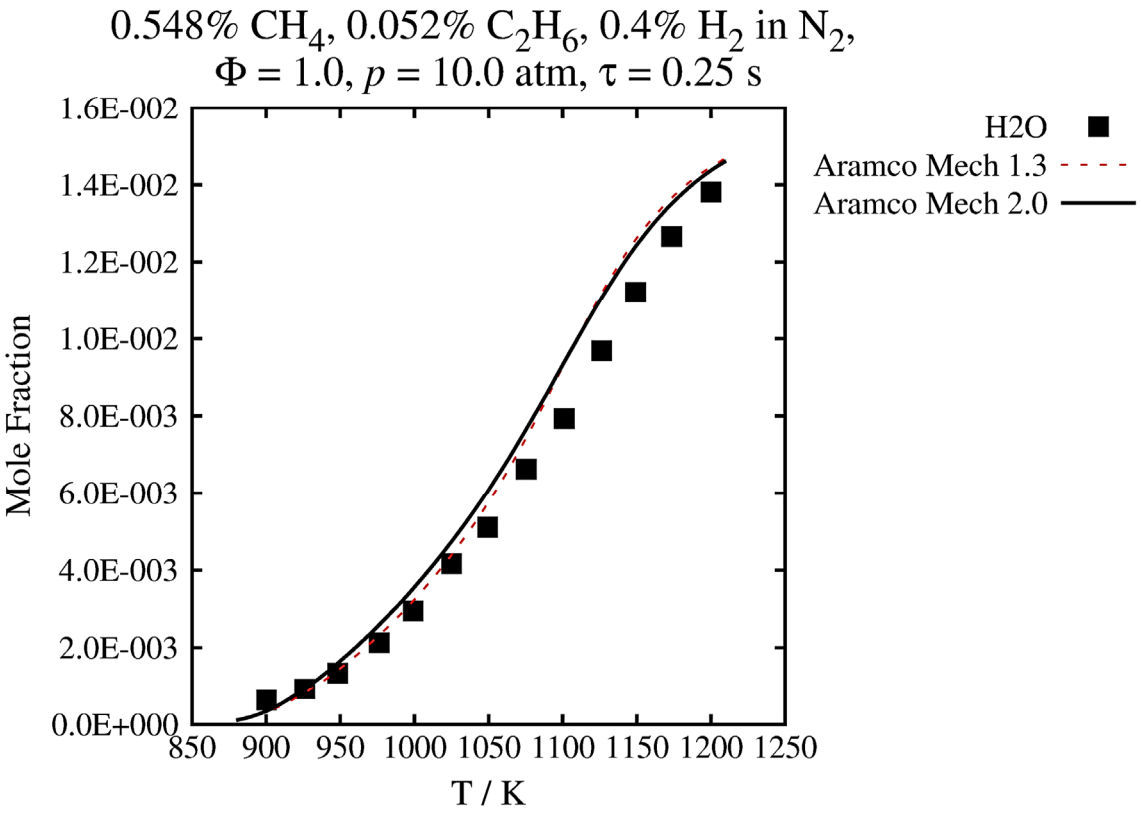

0.548% CH4, 0.052% C2H6, 0.4% H2 in N2,
Φ = 1.0, p = 10.0 atm, τ = 0.25 s
Mole Fraction
T / K
CH2O
Aramco Mech 1.3
Aramco Mech 2.0
1.2E-004
1.0E-004
8.0E-005
6.0E-005
4.0E-005
2.0E-005
0.0E+000
-2.0E-005
850 900 950 1000 1050 1100 1150 1200 1250

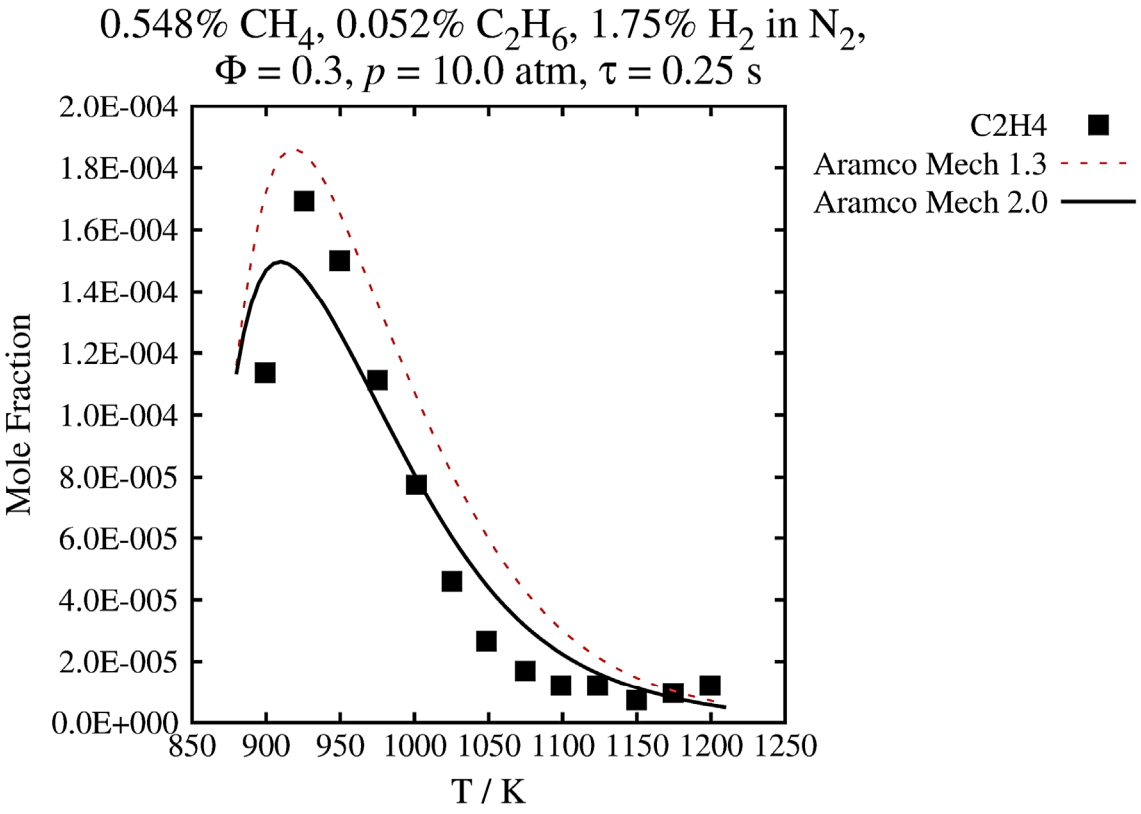

0.548% CH4, 0.052% C2H6, 0.4% H2 in N2,
Φ = 1.0, p = 10.0 atm, τ = 0.25 s
Mole Fraction
T / K
CH4
Aramco Mech 1.3
Aramco Mech 2.0
6.0E-003
5.0E-003
4.0E-003
3.0E-003
2.0E-003
1.0E-003
0.0E+000
850 900 950 1000 1050 1100 1150 1200 1250

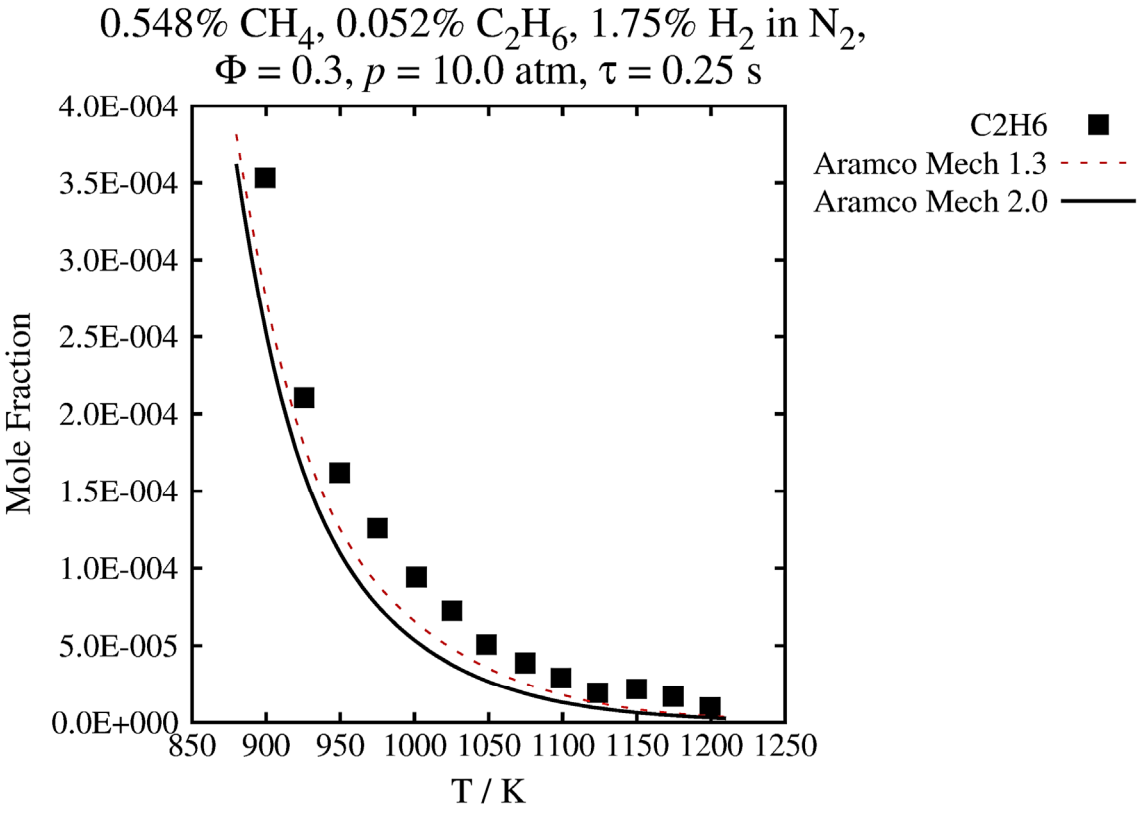

0.548% CH4, 0.052% C2H6, 0.4% H2 in N2,
Φ = 1.0, p = 10.0 atm, τ = 0.25 s
Mole Fraction
3.5E-003
3.0E-003
2.5E-003
2.0E-003
1.5E-003
1.0E-003
5.0E-004
0.0E+000
850 900 950 1000 1050 1100 1150 1200 1250
T / K
CO
Aramco Mech 1.3
Aramco Mech 2.0

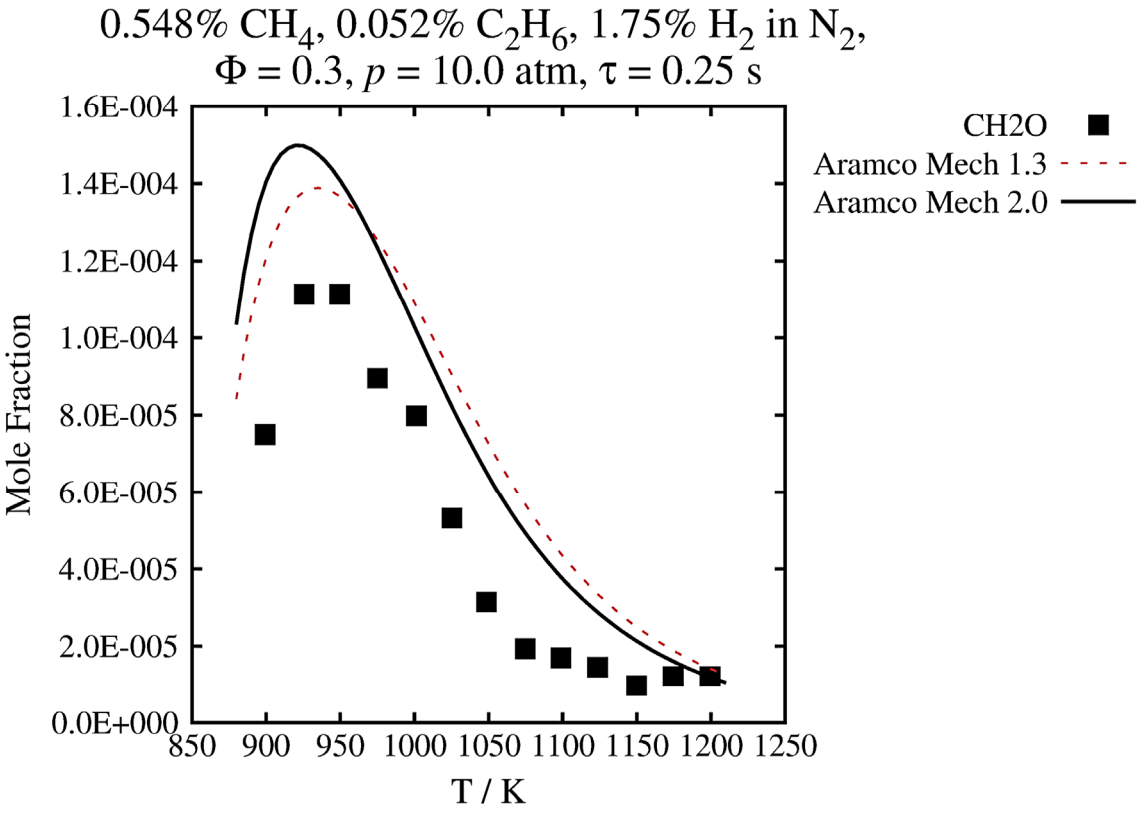

0.548% CH4, 0.052% C2H6, 0.4% H2 in N2,
Φ = 1.0, p = 10.0 atm, τ = 0.25 s
Mole Fraction
4.0E-003
3.5E-003
3.0E-003
2.5E-003
2.0E-003
1.5E-003
1.0E-003
5.0E-004
0.0E+000
850 900 950 1000 1050 1100 1150 1200 1250
T / K
CO2
Aramco Mech 1.3
Aramco Mech 2.0

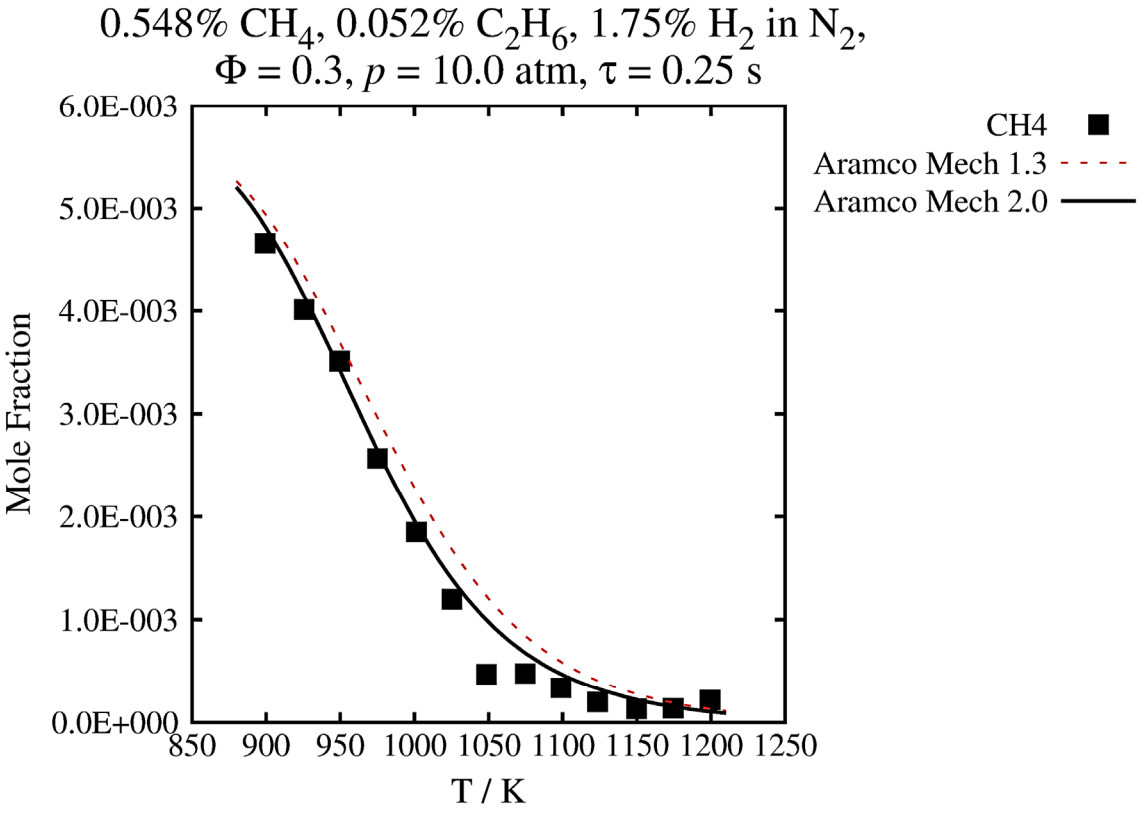

0.548% CH4, 0.052% C2H6, 0.4% H2 in N2,
Φ = 1.0, p = 10.0 atm, τ = 0.25 s
Mole Fraction
T / K
H2
Aramco Mech 1.3
Aramco Mech 2.0
4.5E-003
4.0E-003
3.5E-003
3.0E-003
2.5E-003
2.0E-003
1.5E-003
1.0E-003
5.0E-004
850 900 950 1000 1050 1100 1150 1200 1250

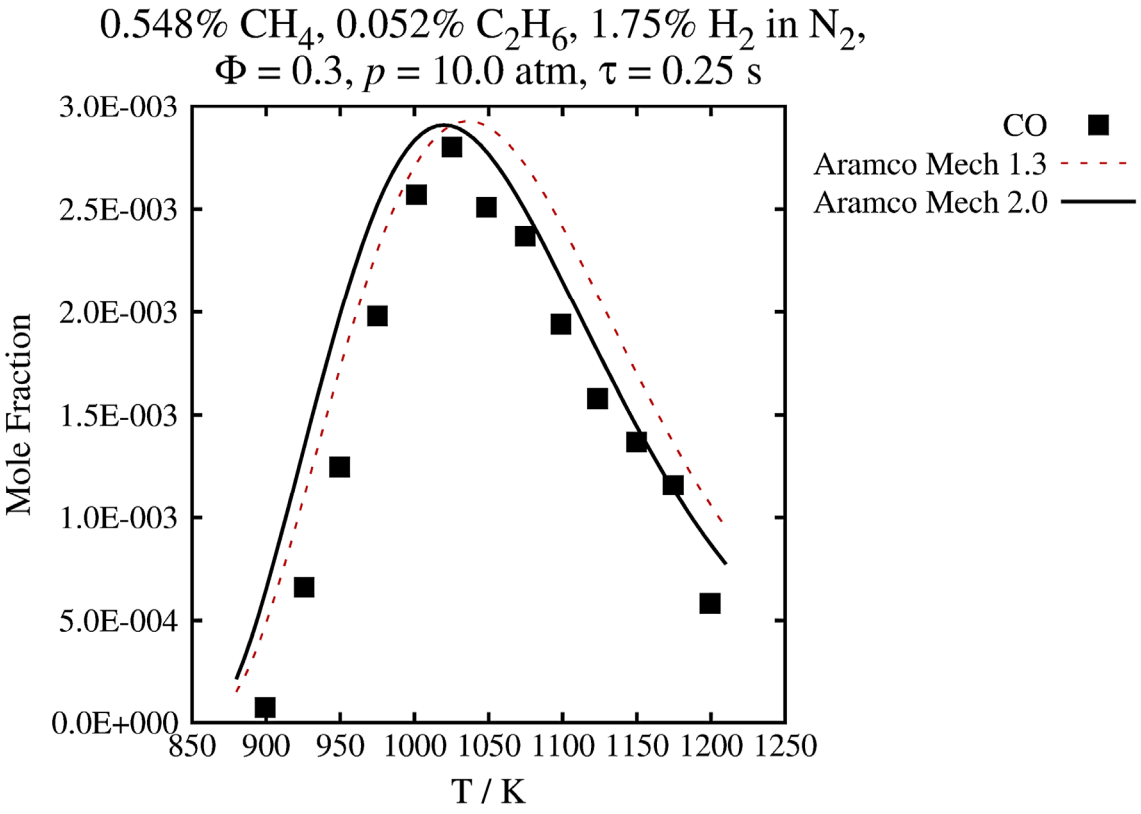

0.548% CH4, 0.052% C2H6, 0.4% H2 in N2,
Φ = 1.0, p = 10.0 atm, τ = 0.25 s
Mole Fraction
T / K
H2O
Aramco Mech 1.3
Aramco Mech 2.0
1.6E-002
1.4E-002
1.2E-002
1.0E-002
8.0E-003
6.0E-003
4.0E-003
2.0E-003
0.0E+000
850 900 950 1000 1050 1100 1150 1200 1250

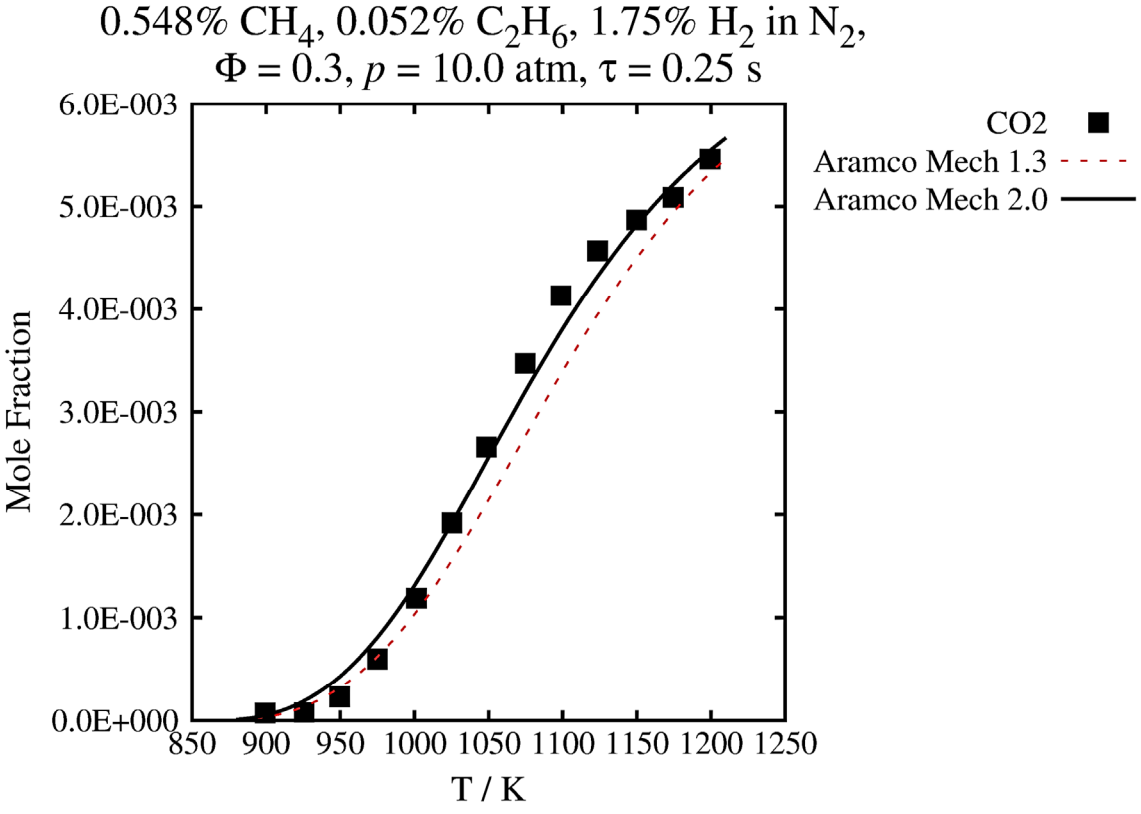

0.548% CH4, 0.052% C2H6, 1.75% H2 in N2,
Φ = 0.3, p = 10.0 atm, τ = 0.25 s
Mole Fraction
T / K
C2H4
Aramco Mech 1.3
Aramco Mech 2.0
2.0E-004
1.8E-004
1.6E-004
1.4E-004
1.2E-004
1.0E-004
8.0E-005
6.0E-005
4.0E-005
2.0E-005
0.0E+000
850 900 950 1000 1050 1100 1150 1200 1250

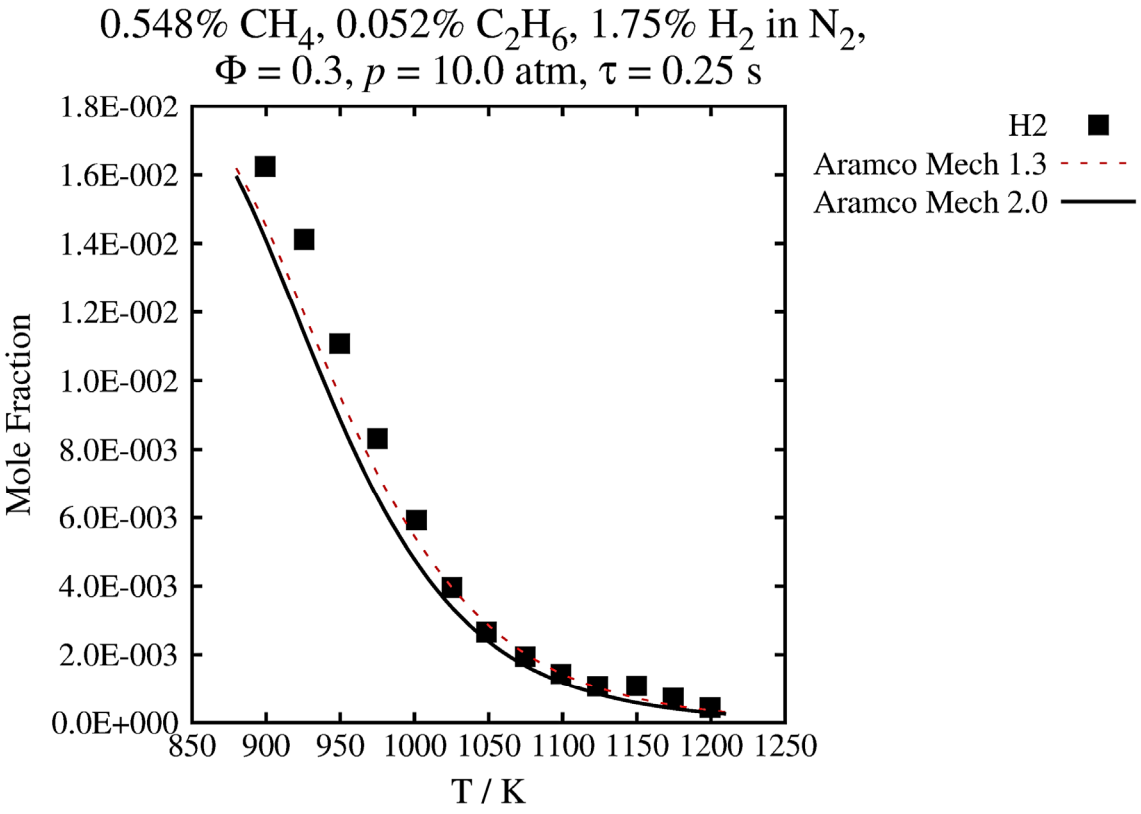

0.548% CH4, 0.052% C2H6, 1.75% H2 in N2,
Φ = 0.3, p = 10.0 atm, τ = 0.25 s
Mole Fraction
T / K
C2H6
Aramco Mech 1.3
Aramco Mech 2.0
4.0E-004
3.5E-004
3.0E-004
2.5E-004
2.0E-004
1.5E-004
1.0E-004
5.0E-005
0.0E+000
850 900 950 1000 1050 1100 1150 1200 1250

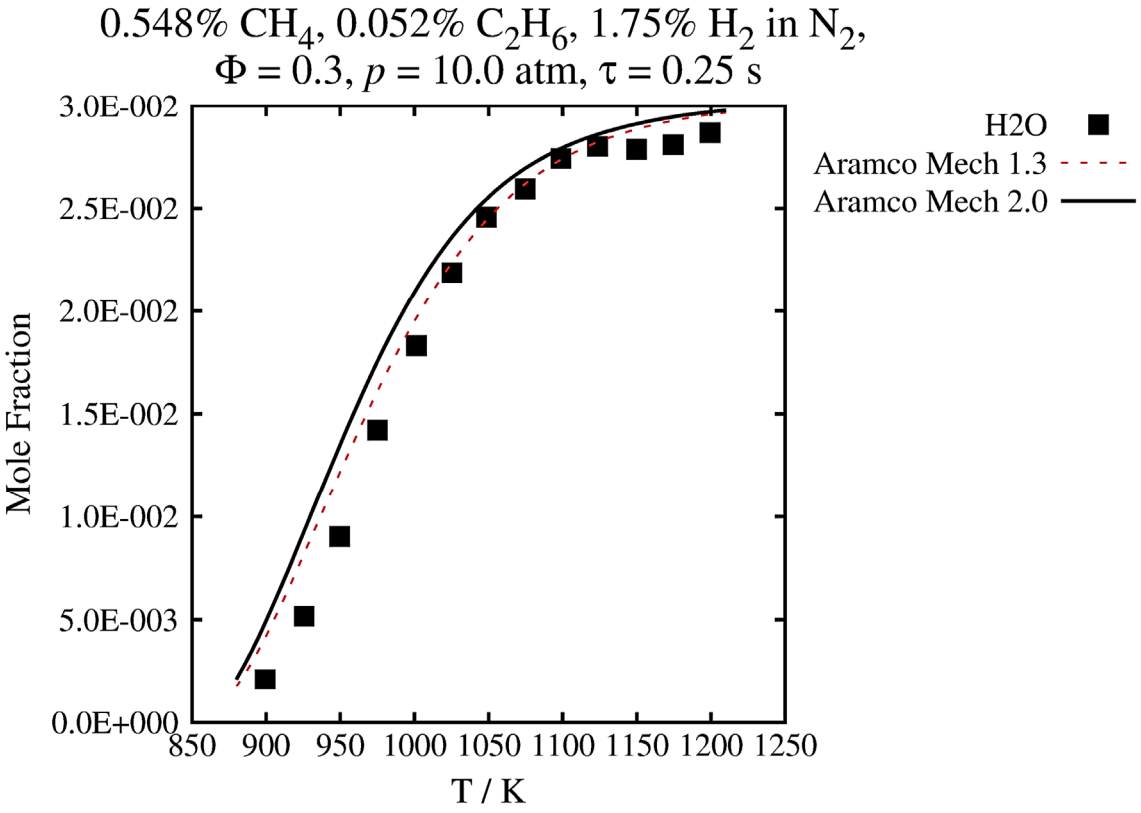

0.548% CH4, 0.052% C2H6, 1.75% H2 in N2,
Φ = 0.3, p = 10.0 atm, τ = 0.25 s
Mole Fraction
T / K
CH2O
Aramco Mech 1.3
Aramco Mech 2.0
1.6E-004
1.4E-004
1.2E-004
1.0E-004
8.0E-005
6.0E-005
4.0E-005
2.0E-005
0.0E+000
850 900 950 1000 1050 1100 1150 1200 1250

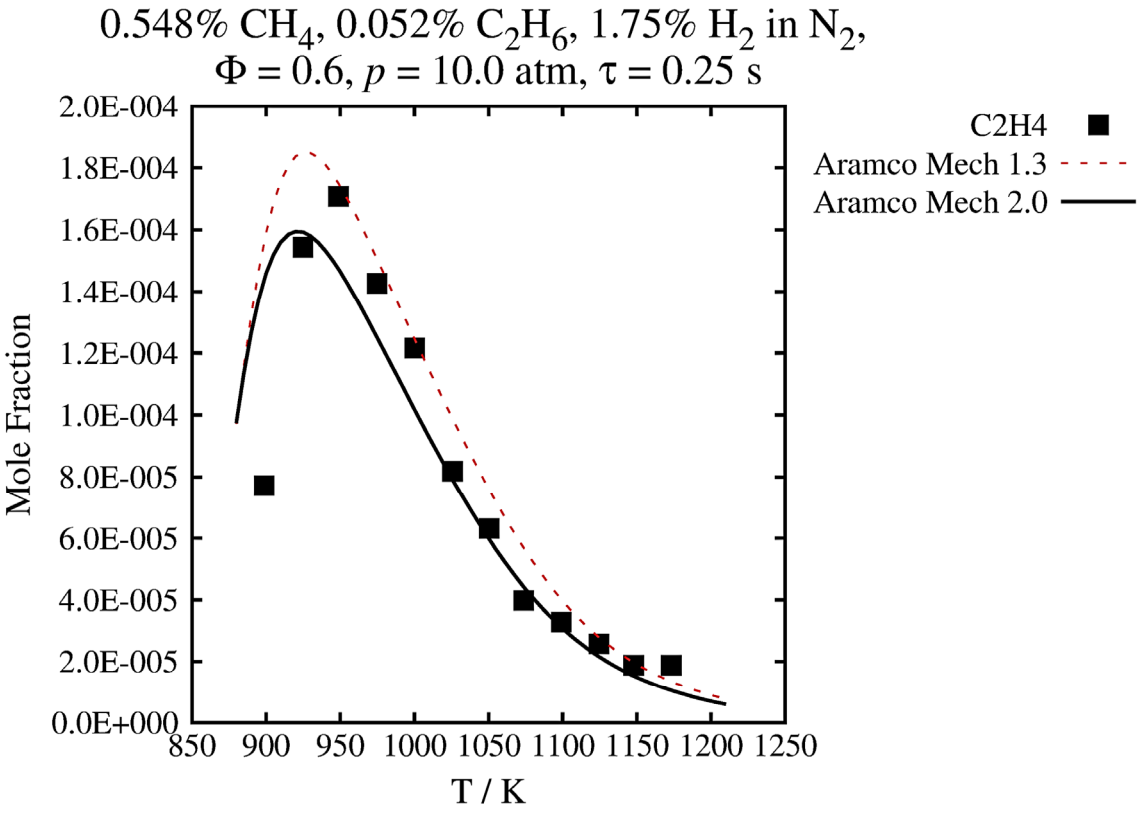

0.548% CH4, 0.052% C2H6, 1.75% H2 in N2,
Φ = 0.3, p = 10.0 atm, τ = 0.25 s
Mole Fraction
T / K
CH4
Aramco Mech 1.3
Aramco Mech 2.0
6.0E-003
5.0E-003
4.0E-003
3.0E-003
2.0E-003
1.0E-003
0.0E+000
850 900 950 1000 1050 1100 1150 1200 1250

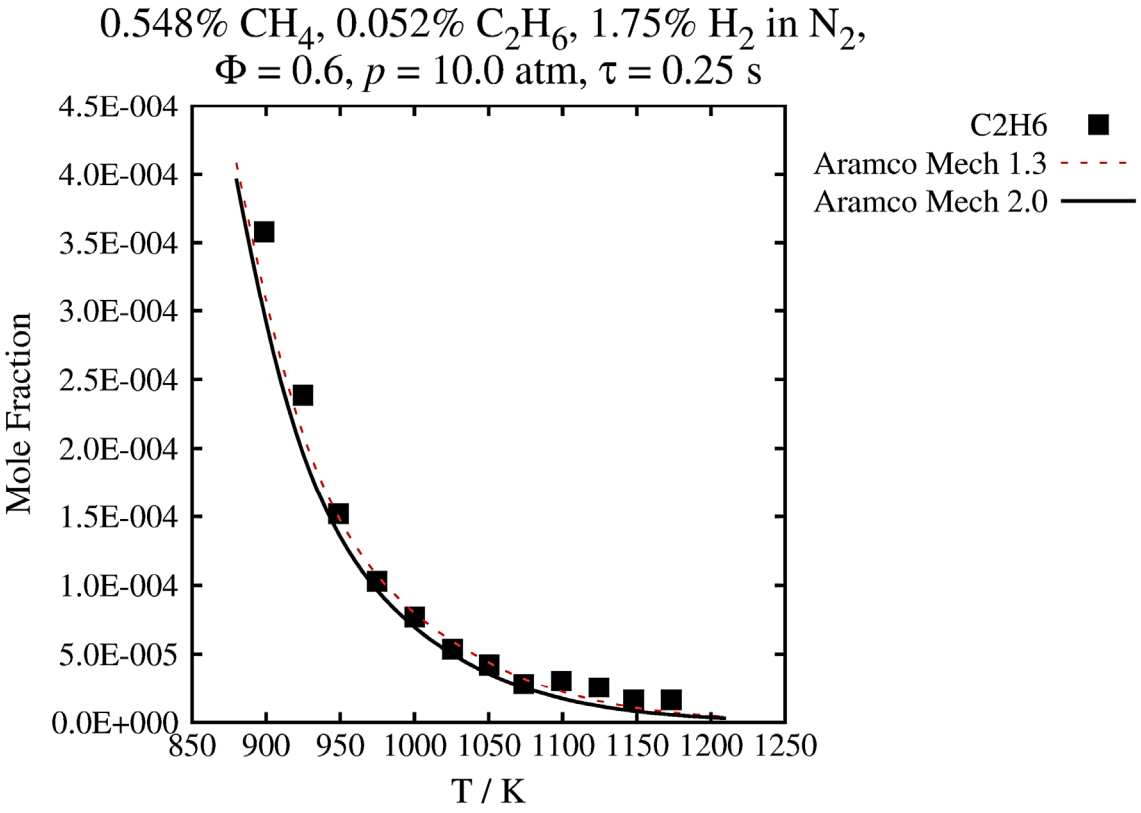

0.548% CH4, 0.052% C2H6, 1.75% H2 in N2,
Φ = 0.3, p = 10.0 atm, τ = 0.25 s
Mole Fraction
3.0E-003
2.5E-003
2.0E-003
1.5E-003
1.0E-003
5.0E-004
0.0E+000
850 900 950 1000 1050 1100 1150 1200 1250
T / K
CO
Aramco Mech 1.3
Aramco Mech 2.0

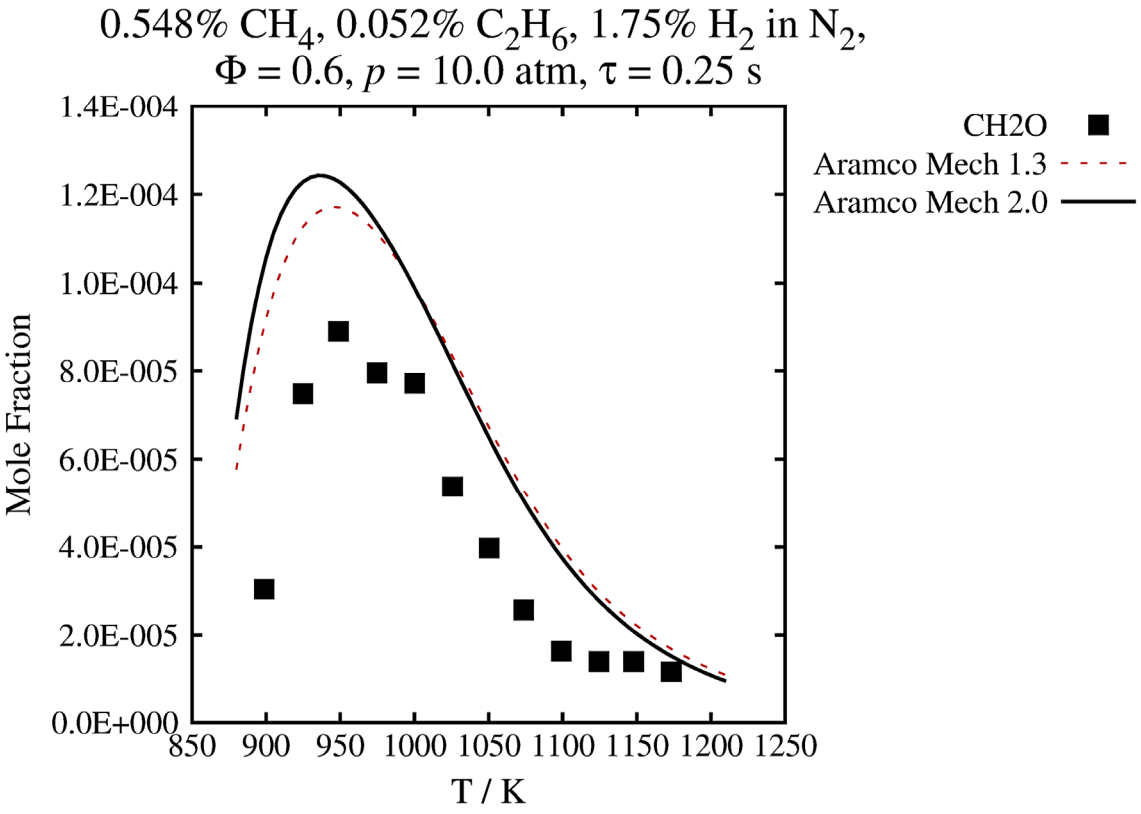

0.548% CH4, 0.052% C2H6, 1.75% H2 in N2,
Φ = 0.3, p = 10.0 atm, τ = 0.25 s
Mole Fraction
6.0E-003
5.0E-003
4.0E-003
3.0E-003
2.0E-003
1.0E-003
0.0E+000
850 900 950 1000 1050 1100 1150 1200 1250
T / K
CO2
Aramco Mech 1.3
Aramco Mech 2.0

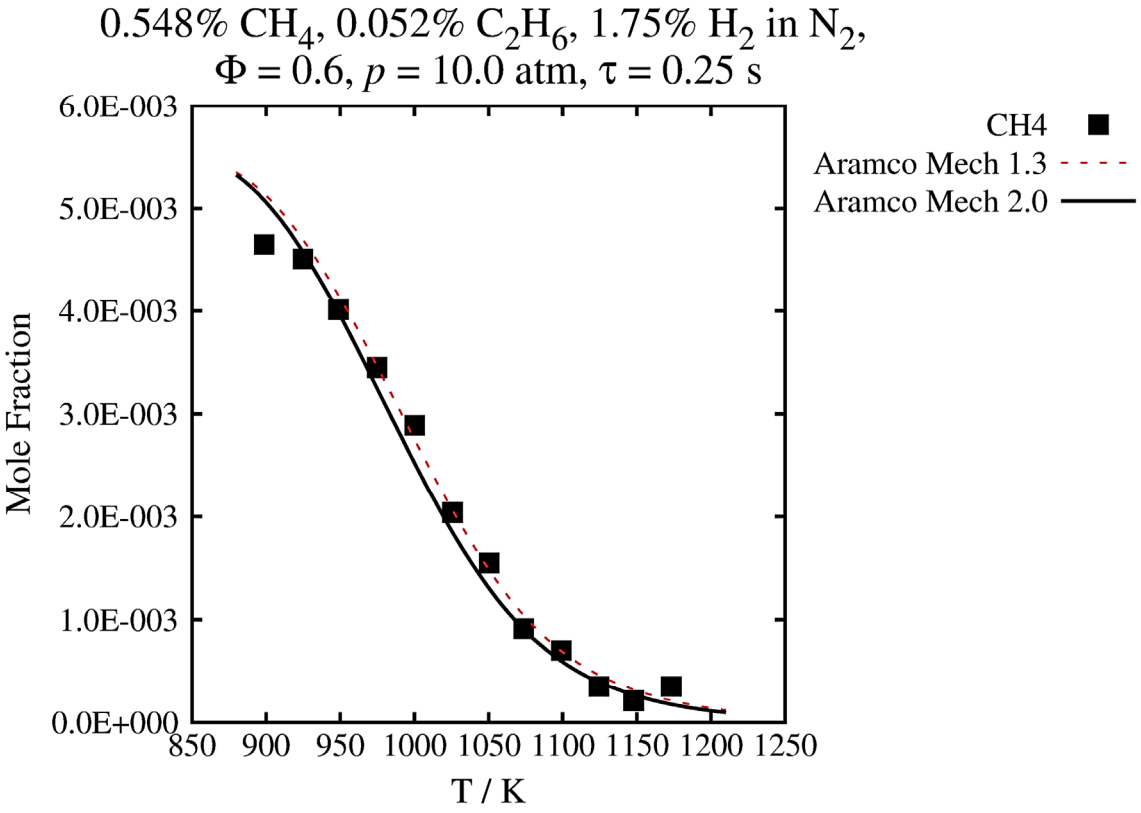

0.548% CH4, 0.052% C2H6, 1.75% H2 in N2,
Φ = 0.3, p = 10.0 atm, τ = 0.25 s
Mole Fraction
T / K
H2
Aramco Mech 1.3
Aramco Mech 2.0
1.8E-002
1.6E-002
1.4E-002
1.2E-002
1.0E-002
8.0E-003
6.0E-003
4.0E-003
2.0E-003
0.0E+000
850 900 950 1000 1050 1100 1150 1200 1250

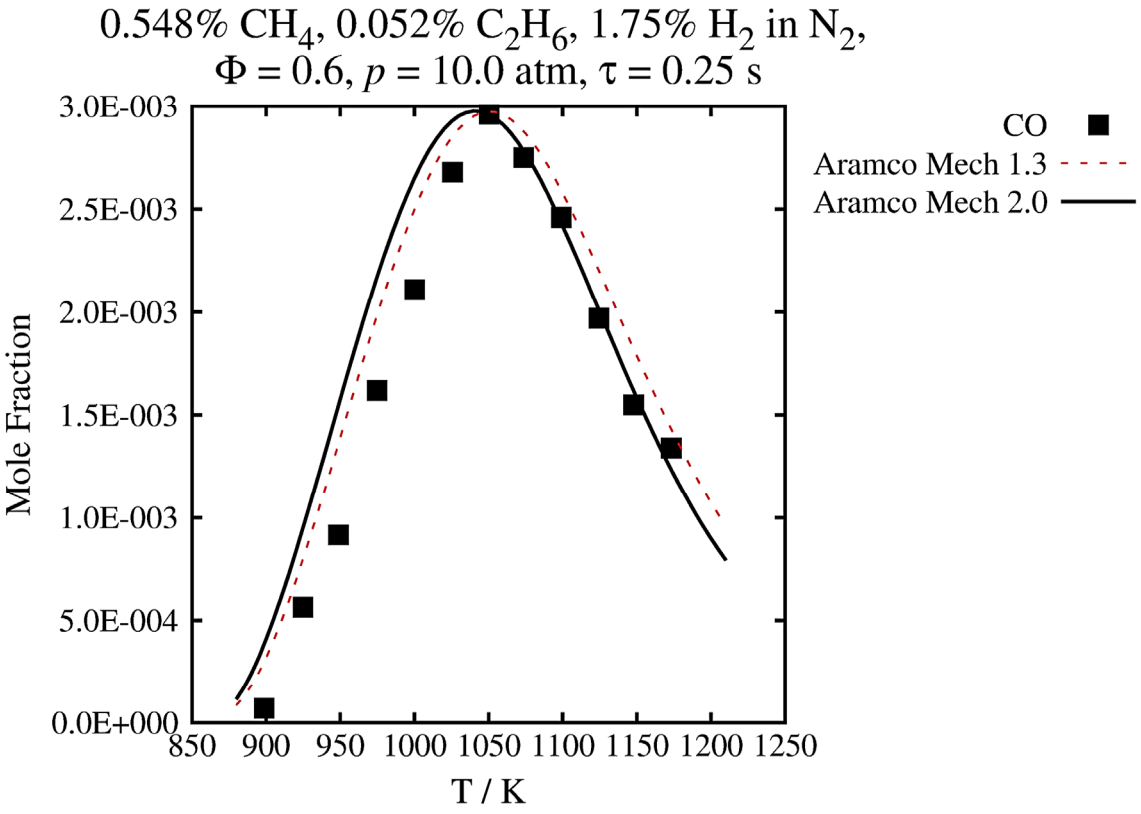

0.548% CH4, 0.052% C2H6, 1.75% H2 in N2,
Φ = 0.3, p = 10.0 atm, τ = 0.25 s
Mole Fraction
T / K
H2O
Aramco Mech 1.3
Aramco Mech 2.0
3.0E-002
2.5E-002
2.0E-002
1.5E-002
1.0E-002
5.0E-003
0.0E+000
850 900 950 1000 1050 1100 1150 1200 1250

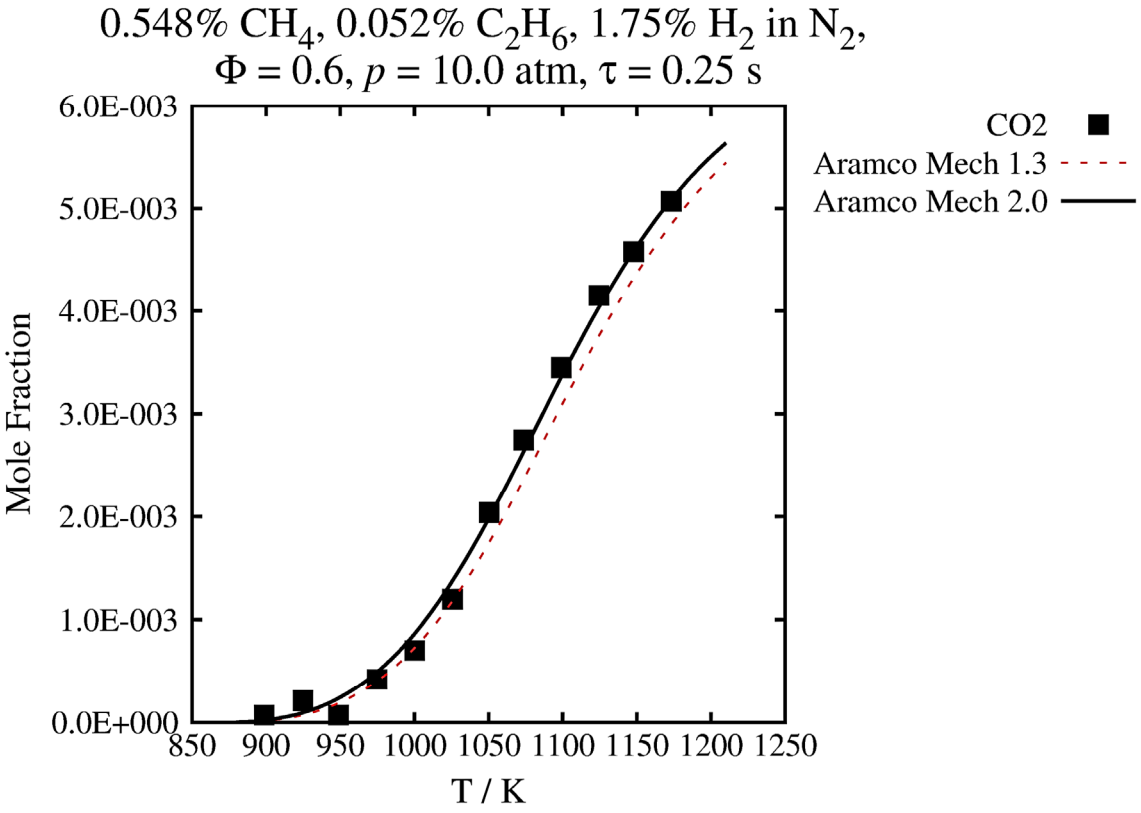

0.548% CH4, 0.052% C2H6, 1.75% H2 in N2,
Φ = 0.6, p = 10.0 atm, τ = 0.25 s
Mole Fraction
T / K
C2H4
Aramco Mech 1.3
Aramco Mech 2.0

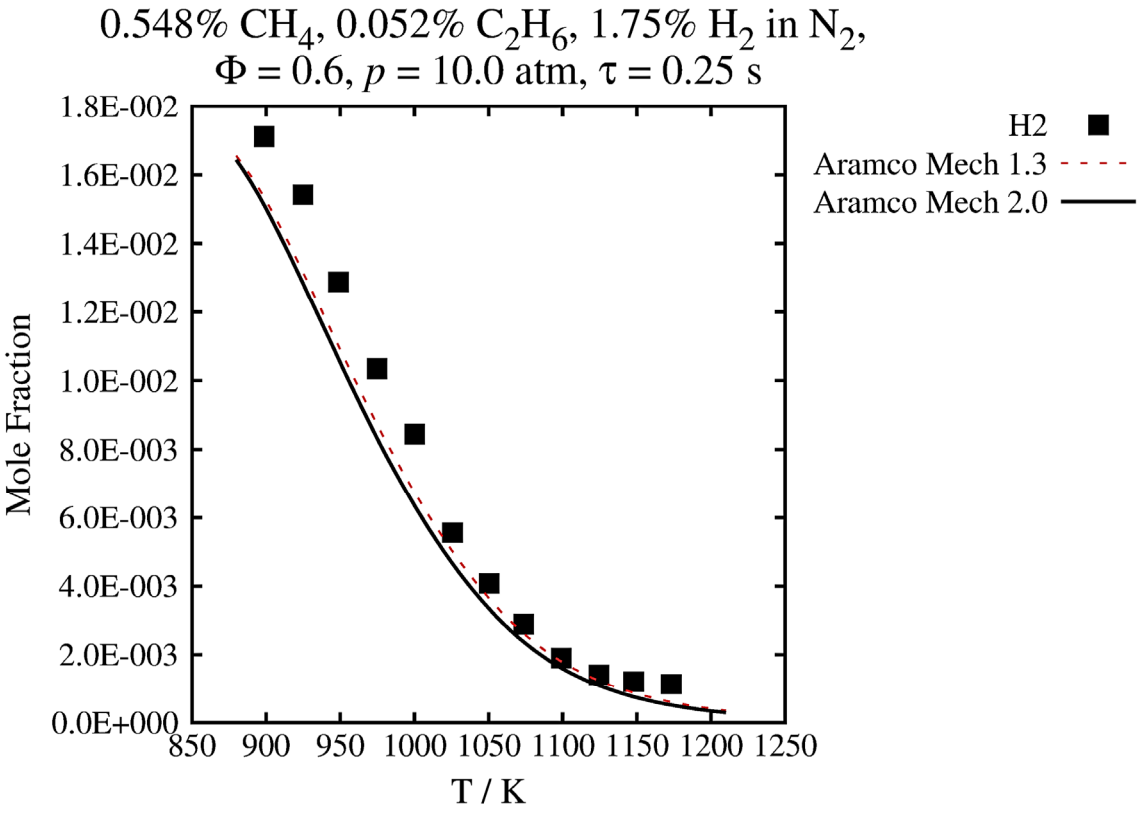

0.548% CH4, 0.052% C2H6, 1.75% H2 in N2,
Φ = 0.6, p = 10.0 atm, τ = 0.25 s
Mole Fraction
T / K
C2H6
Aramco Mech 1.3
Aramco Mech 2.0

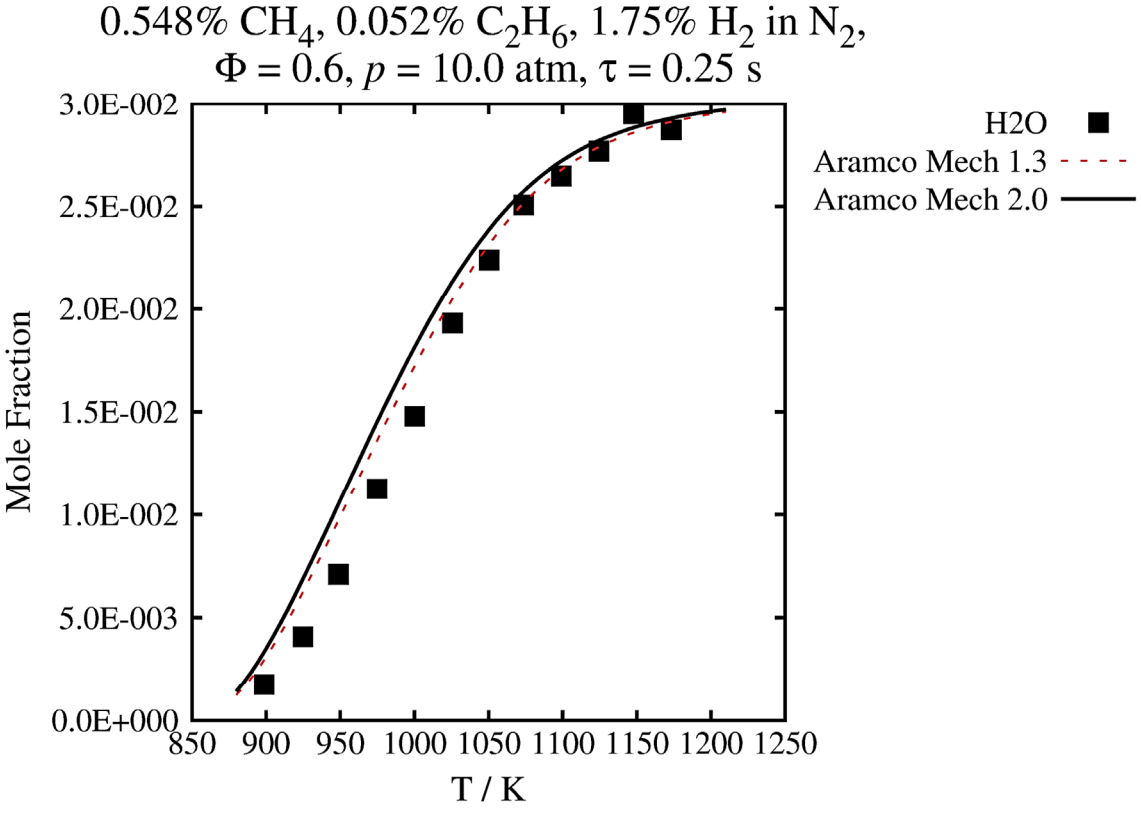

0.548% CH4, 0.052% C2H6, 1.75% H2 in N2,
Φ = 0.6, p = 10.0 atm, τ = 0.25 s
Mole Fraction
1.4E-004
1.2E-004
1.0E-004
8.0E-005
6.0E-005
4.0E-005
2.0E-005
0.0E+000
850 900 950 1000 1050 1100 1150 1200 1250
T / K
CH2O
Aramco Mech 1.3
Aramco Mech 2.0

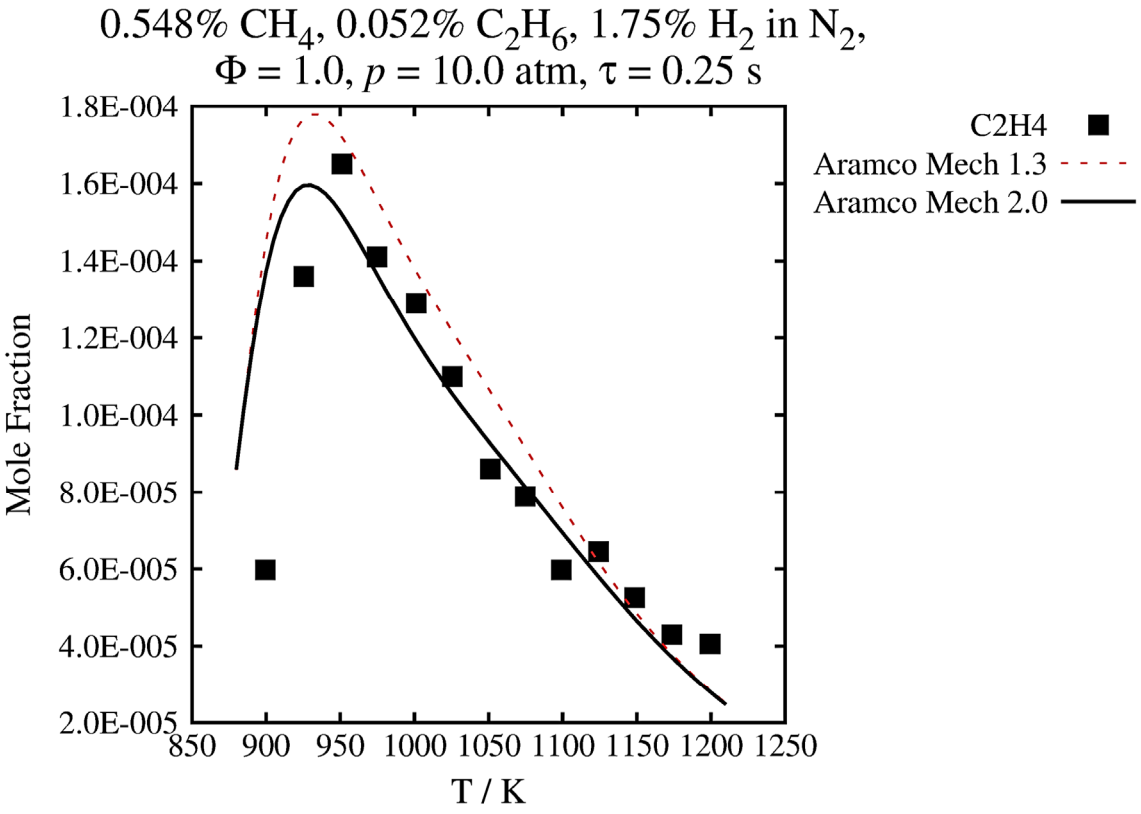

0.548% CH4, 0.052% C2H6, 1.75% H2 in N2,
Φ = 0.6, p = 10.0 atm, τ = 0.25 s
Mole Fraction
6.0E-003
5.0E-003
4.0E-003
3.0E-003
2.0E-003
1.0E-003
0.0E+000
850 900 950 1000 1050 1100 1150 1200 1250
T / K
CH4
Aramco Mech 1.3
Aramco Mech 2.0

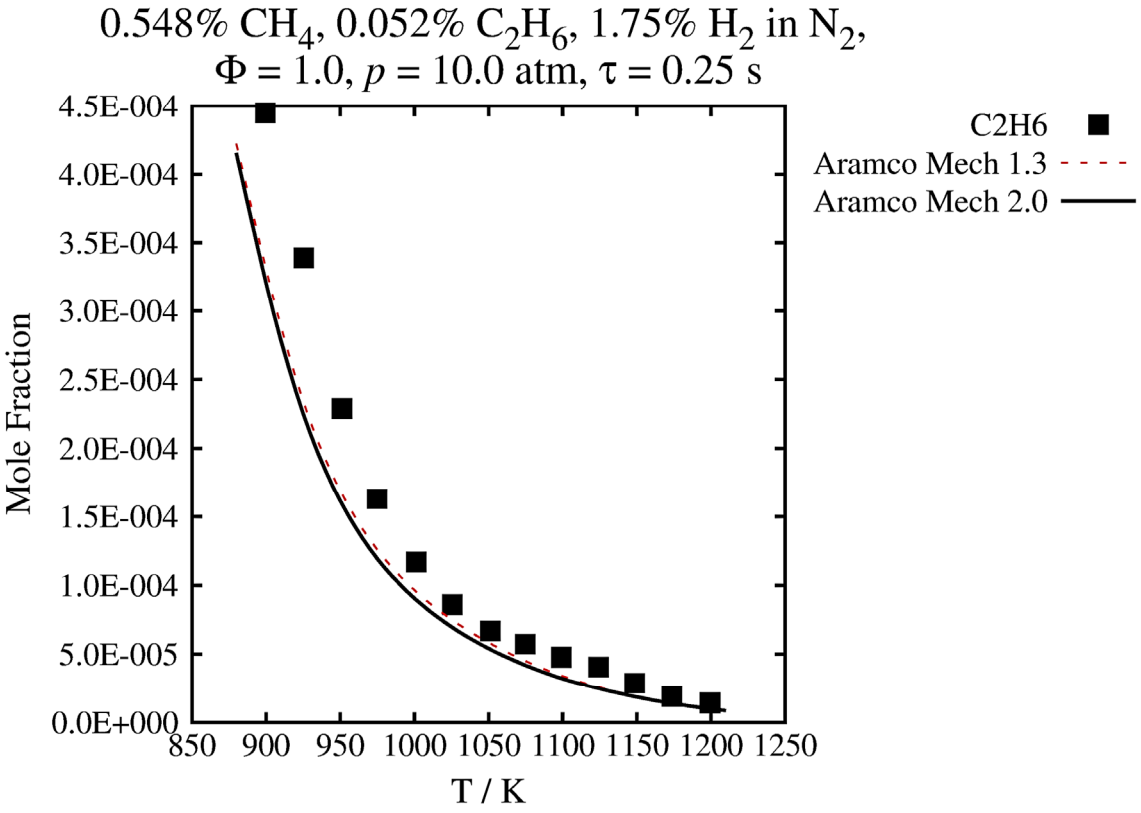

0.548% CH4, 0.052% C2H6, 1.75% H2 in N2,
Φ = 0.6, p = 10.0 atm, τ = 0.25 s
Mole Fraction
3.0E-003
2.5E-003
2.0E-003
1.5E-003
1.0E-003
5.0E-004
0.0E+000
850 900 950 1000 1050 1100 1150 1200 1250
T / K
CO
Aramco Mech 1.3
Aramco Mech 2.0

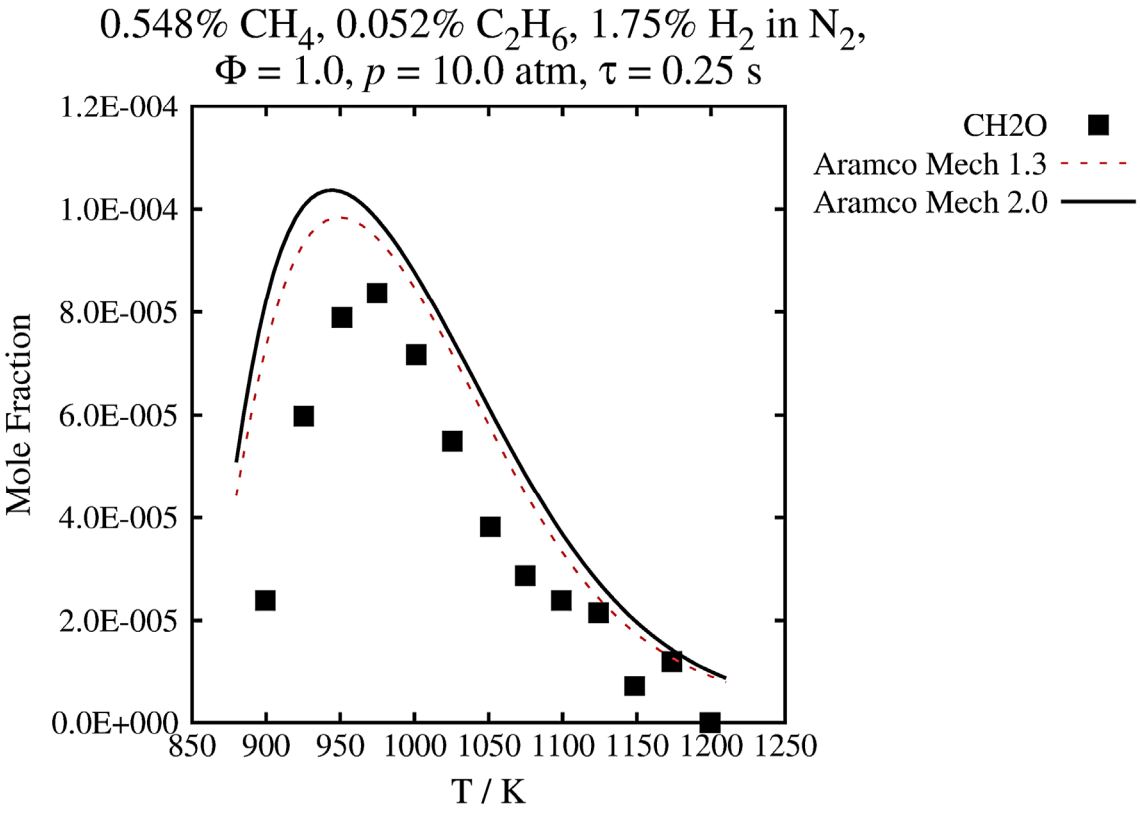

0.548% CH4, 0.052% C2H6, 1.75% H2 in N2,
Φ = 0.6, p = 10.0 atm, τ = 0.25 s
Mole Fraction
6.0E-003
5.0E-003
4.0E-003
3.0E-003
2.0E-003
1.0E-003
0.0E+000
850 900 950 1000 1050 1100 1150 1200 1250
T / K
CO2
Aramco Mech 1.3
Aramco Mech 2.0

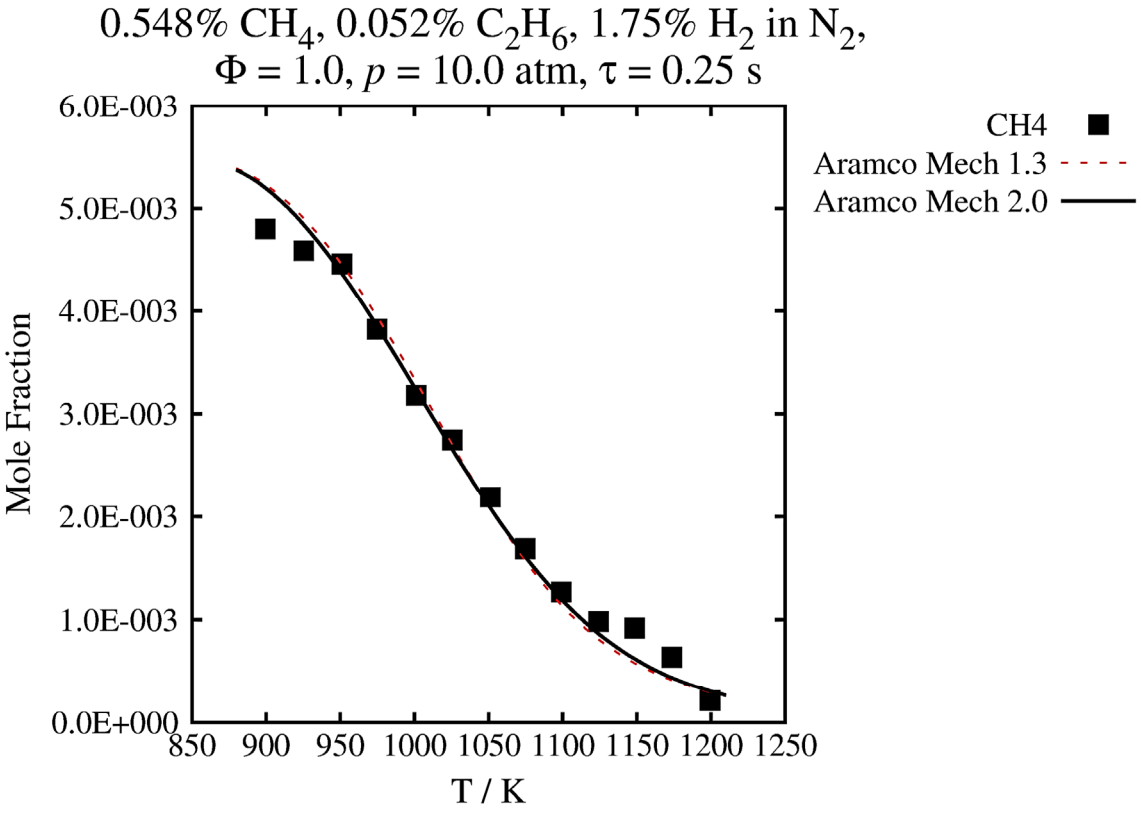

0.548% CH4, 0.052% C2H6, 1.75% H2 in N2,
Φ = 0.6, p = 10.0 atm, τ = 0.25 s
Mole Fraction
T / K
H2
Aramco Mech 1.3
Aramco Mech 2.0
1.8E-002
1.6E-002
1.4E-002
1.2E-002
1.0E-002
8.0E-003
6.0E-003
4.0E-003
2.0E-003
0.0E+000
850 900 950 1000 1050 1100 1150 1200 1250

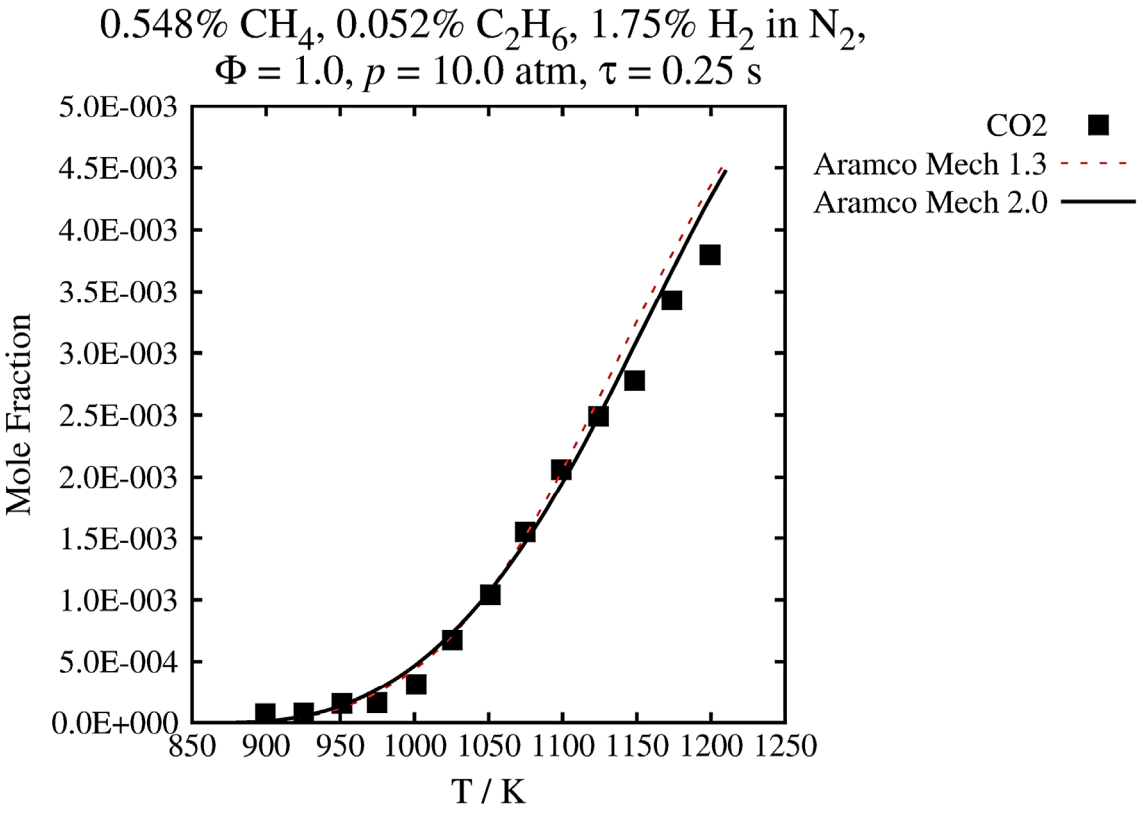

0.548% CH4, 0.052% C2H6, 1.75% H2 in N2,
Φ = 0.6, p = 10.0 atm, τ = 0.25 s
Mole Fraction
T / K
H2O
Aramco Mech 1.3
Aramco Mech 2.0
3.0E-002
2.5E-002
2.0E-002
1.5E-002
1.0E-002
5.0E-003
0.0E+000
850 900 950 1000 1050 1100 1150 1200 1250

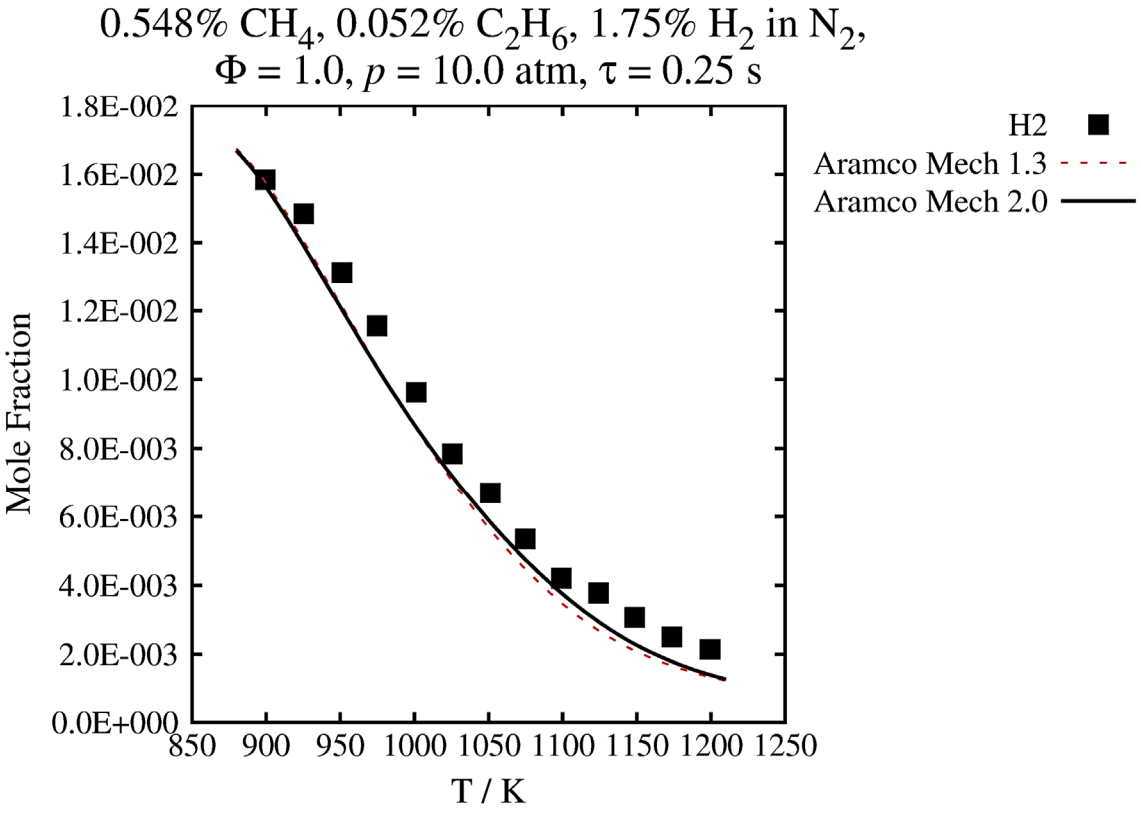

0.548% CH4, 0.052% C2H6, 1.75% H2 in N2,
Φ = 1.0, p = 10.0 atm, τ = 0.25 s
Mole Fraction
T / K
C2H4
Aramco Mech 1.3
Aramco Mech 2.0
1.8E-004
1.6E-004
1.4E-004
1.2E-004
1.0E-004
8.0E-005
6.0E-005
4.0E-005
2.0E-005
850 900 950 1000 1050 1100 1150 1200 1250

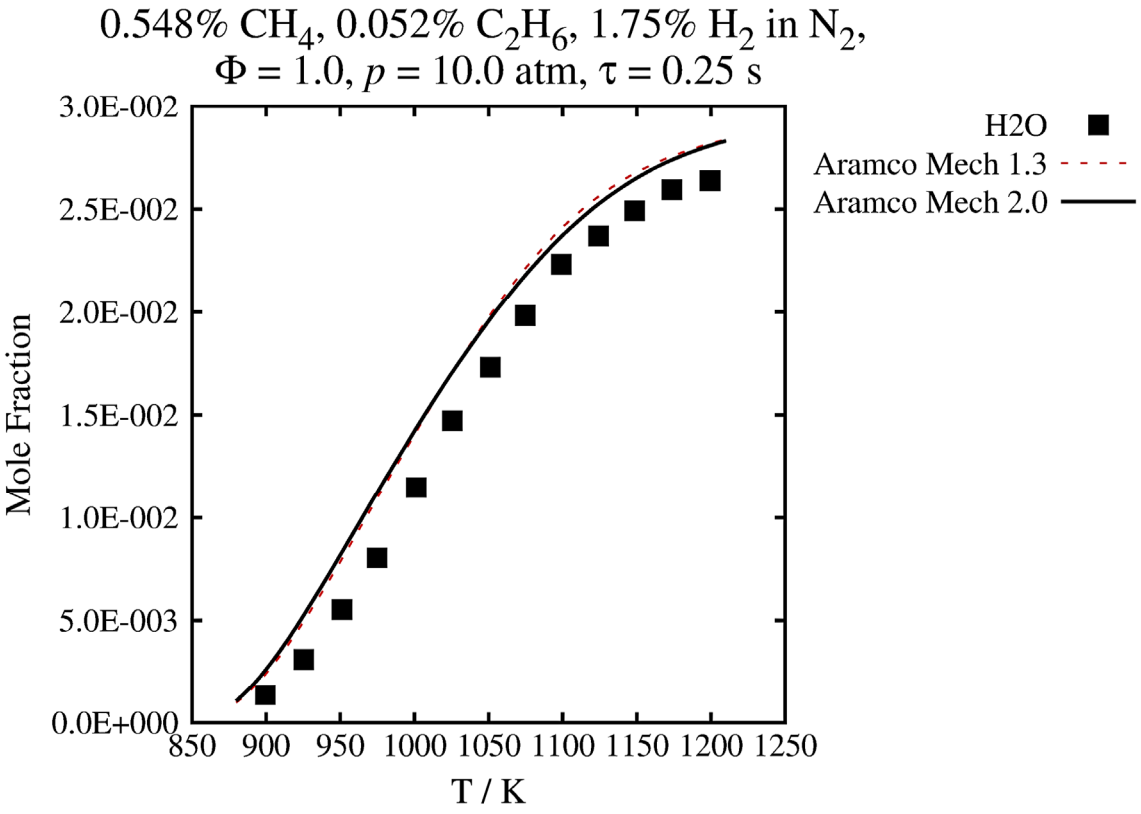

0.548% CH4, 0.052% C2H6, 1.75% H2 in N2,
Φ = 1.0, p = 10.0 atm, τ = 0.25 s
Mole Fraction
T / K
C2H6
Aramco Mech 1.3
Aramco Mech 2.0
4.5E-004
4.0E-004
3.5E-004
3.0E-004
2.5E-004
2.0E-004
1.5E-004
1.0E-004
5.0E-005
0.0E+000
850 900 950 1000 1050 1100 1150 1200 1250


0.548% CH4, 0.052% C2H6, 1.75% H2 in N2,
Φ = 1.0, p = 10.0 atm, τ = 0.25 s
Mole Fraction
1.2E-004
1.0E-004
8.0E-005
6.0E-005
4.0E-005
2.0E-005
0.0E+000
850 900 950 1000 1050 1100 1150 1200 1250
T / K
CH2O
Aramco Mech 1.3
Aramco Mech 2.0


0.548% CH4, 0.052% C2H6, 1.75% H2 in N2,
Φ = 1.0, p = 10.0 atm, τ = 0.25 s
Mole Fraction
6.0E-003
5.0E-003
4.0E-003
3.0E-003
2.0E-003
1.0E-003
0.0E+000
850 900 950 1000 1050 1100 1150 1200 1250
T / K
CH4
Aramco Mech 1.3
Aramco Mech 2.0


0.548% CH4, 0.052% C2H6, 1.75% H2 in N2,
Φ = 1.0, p = 10.0 atm, τ = 0.25 s
Mole Fraction
T / K
CO2
Aramco Mech 1.3
Aramco Mech 2.0
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
5.0E-004
0.0E+000
850 900 950 1000 1050 1100 1150 1200 1250


0.548% CH4, 0.052% C2H6, 1.75% H2 in N2,
Φ = 1.0, p = 10.0 atm, τ = 0.25 s
Mole Fraction
T / K
H2
Aramco Mech 1.3
Aramco Mech 2.0
1.8E-002
1.6E-002
1.4E-002
1.2E-002
1.0E-002
8.0E-003
6.0E-003
4.0E-003
2.0E-003
0.0E+000
850 900 950 1000 1050 1100 1150 1200 1250


0.548% CH4, 0.052% C2H6, 1.75% H2 in N2,
Φ = 1.0, p = 10.0 atm, τ = 0.25 s
Mole Fraction
3.0E-002
2.5E-002
2.0E-002
1.5E-002
1.0E-002
5.0E-003
0.0E+000
850
900
950
1000
1050
1100
1150
1200
1250
T / K
H2O
Aramco Mech 1.3
Aramco Mech 2.0