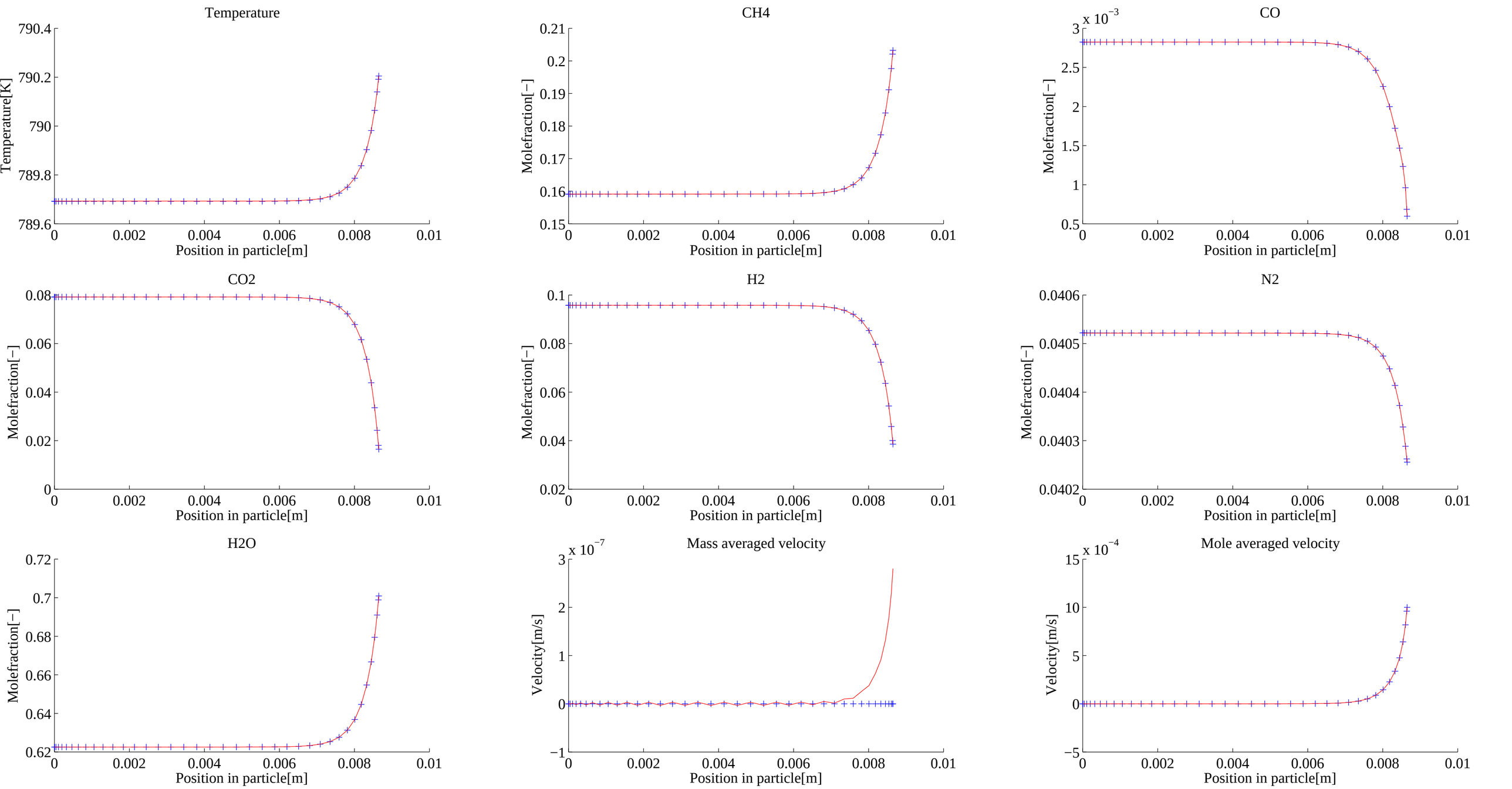
Temperature
Temperature[K]
790.4
790.2
790
789.8
789.6
0
0.002
0.004
0.006
0.008
0.01
Position in particle[m]
CH4
Molefraction[−]
0.21
0.2
0.19
0.18
0.17
0.16
0.15
Position in particle[m]
CO
x 10^−3
Molefraction[−]
3
2.5
2
1.5
1
0.5
Position in particle[m]
CO2
Molefraction[−]
0.08
0.06
0.04
0.02
0
Position in particle[m]
H2
Molefraction[−]
0.1
0.08
0.06
0.04
0.02
Position in particle[m]
N2
Molefraction[−]
0.0406
0.0405
0.0404
0.0403
0.0402
Position in particle[m]
H2O
Molefraction[−]
0.72
0.7
0.68
0.66
0.64
0.62
Position in particle[m]
Mass averaged velocity
x 10^−7
Velocity[m/s]
3
2
1
0
−1
Position in particle[m]
Mole averaged velocity
x 10^−4
Velocity[m/s]
15
10
5
0
−5
Position in particle[m]