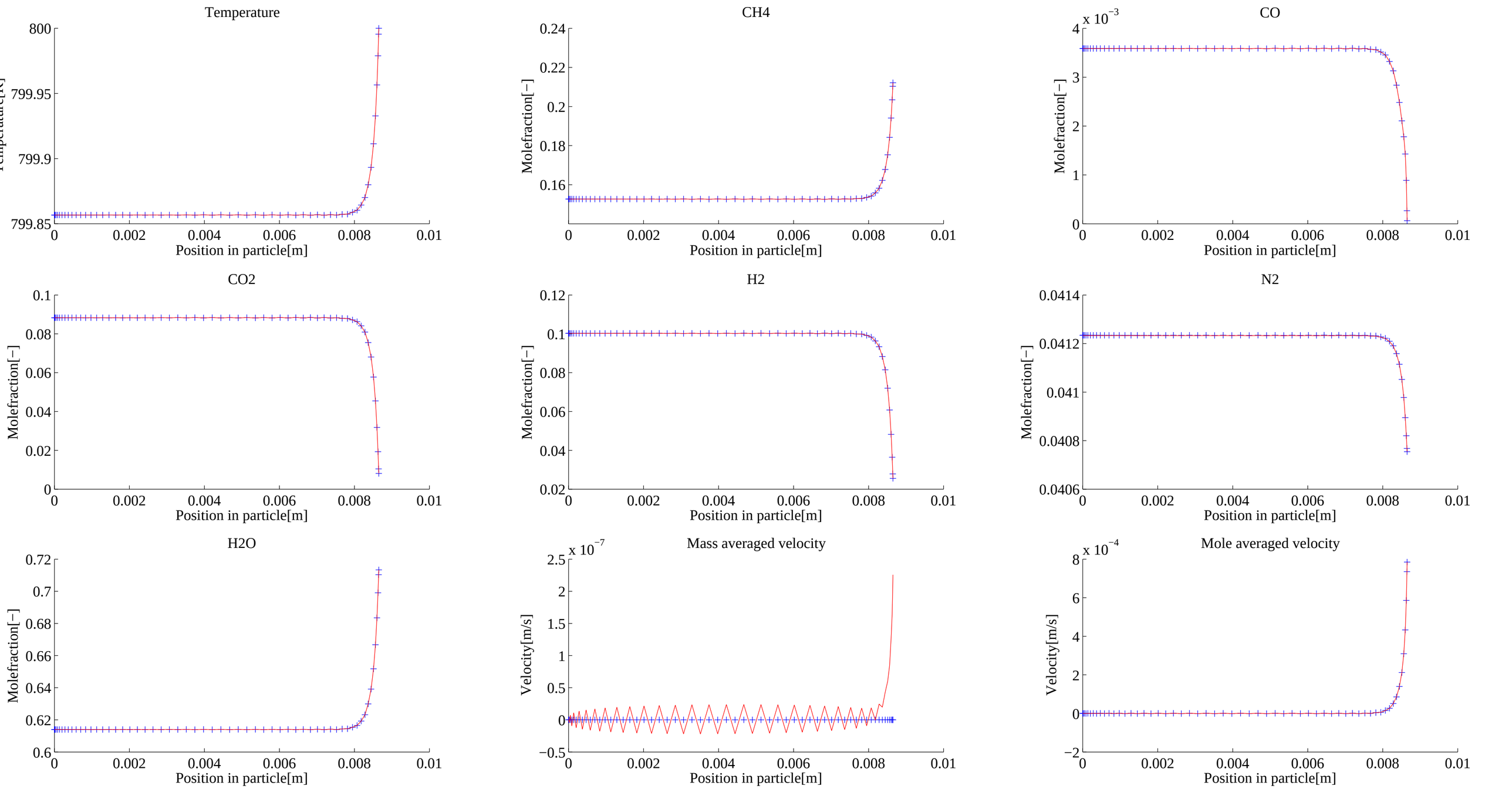
Temperature
Temperature[K]
800
799.95
799.9
799.85
0
0.002
0.004
0.006
0.008
0.01
Position in particle[m]
CH4
Molefraction[−]
0.24
0.22
0.2
0.18
0.16
Position in particle[m]
CO
x 10^−3
Molefraction[−]
4
3
2
1
0
Position in particle[m]
CO2
Molefraction[−]
0.1
0.08
0.06
0.04
0.02
0
Position in particle[m]
H2
Molefraction[−]
0.12
0.1
0.08
0.06
0.04
0.02
Position in particle[m]
N2
Molefraction[−]
0.0414
0.0412
0.041
0.0408
0.0406
Position in particle[m]
H2O
Molefraction[−]
0.72
0.7
0.68
0.66
0.64
0.62
0.6
Position in particle[m]
Mass averaged velocity
x 10^−7
Velocity[m/s]
2.5
2
1.5
1
0.5
0
−0.5
Position in particle[m]
Mole averaged velocity
x 10^−4
Velocity[m/s]
8
6
4
2
0
−2
Position in particle[m]