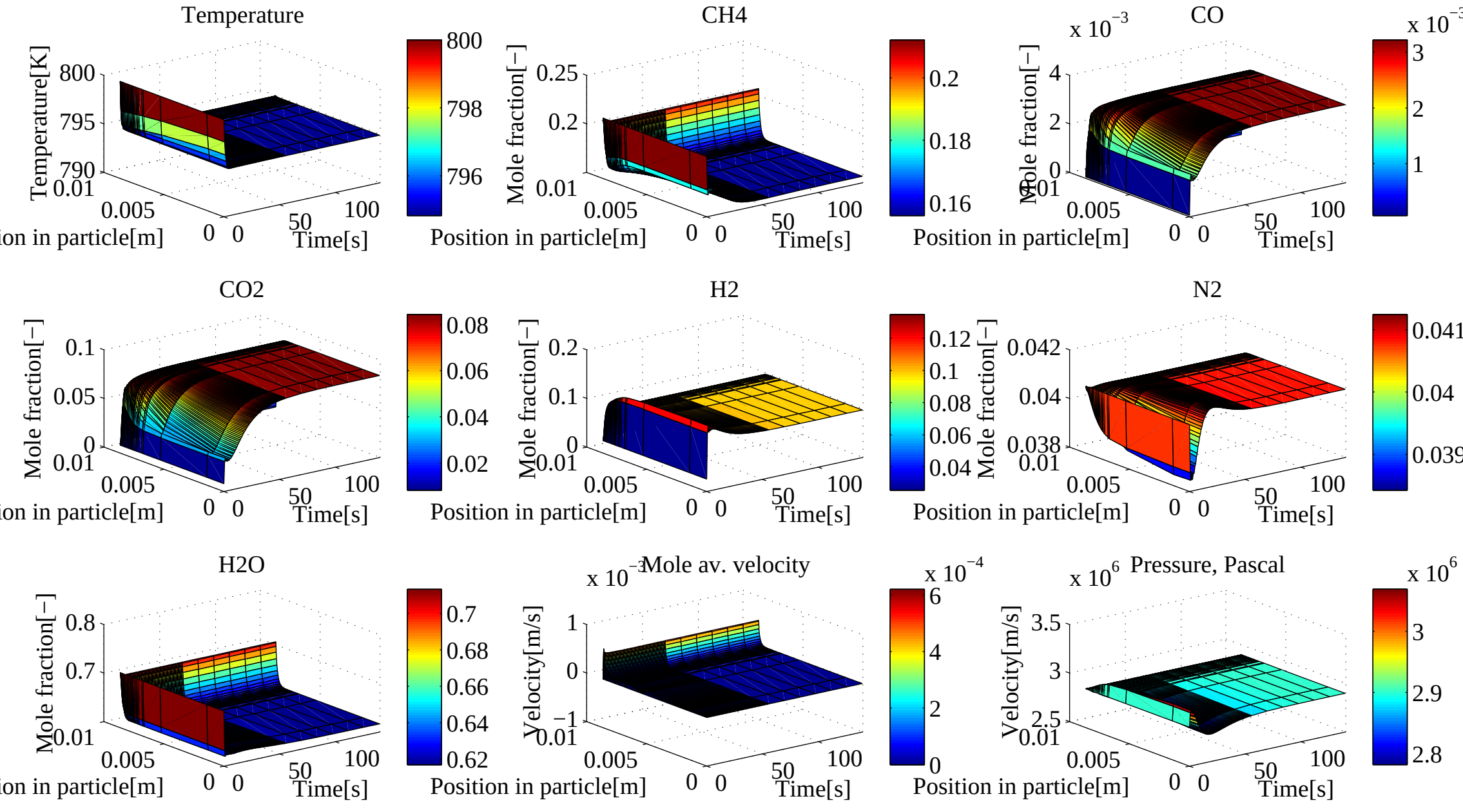
Temperature
Temperature[K]
800
795
790
0.01
0.005
0
ion in particle[m]
0
50
100
Time[s]
800
798
796
CH4
Mole fraction[−]
0.25
0.2
0.01
0.005
0
Position in particle[m]
0
50
100
Time[s]
0.2
0.18
0.16
CO
x 10^−3
Mole fraction[−]
4
2
0
0.01
0.005
0
Position in particle[m]
0
50
100
Time[s]
x 10^−3
3
2
1
CO2
Mole fraction[−]
0.1
0.05
0
0.01
0.005
0
ion in particle[m]
0
50
100
Time[s]
0.08
0.06
0.04
0.02
H2
Mole fraction[−]
0.2
0.1
0
0.01
0.005
0
Position in particle[m]
0
50
100
Time[s]
0.12
0.1
0.08
0.06
0.04
N2
Mole fraction[−]
0.042
0.04
0.038
0.01
0.005
0
Position in particle[m]
0
50
100
Time[s]
0.041
0.04
0.039
H2O
Mole fraction[−]
0.8
0.7
0.01
0.005
0
ion in particle[m]
0
50
100
Time[s]
0.7
0.68
0.66
0.64
0.62
Mole av. velocity
x 10^−3
Velocity[m/s]
1
0
−1
0.01
0.005
0
Position in particle[m]
0
50
100
Time[s]
x 10^−4
6
4
2
0
Pressure, Pascal
x 10^6
Velocity[m/s]
3.5
3
2.5
0.01
0.005
0
Position in particle[m]
0
50
100
Time[s]
x 10^6
3
2.9
2.8