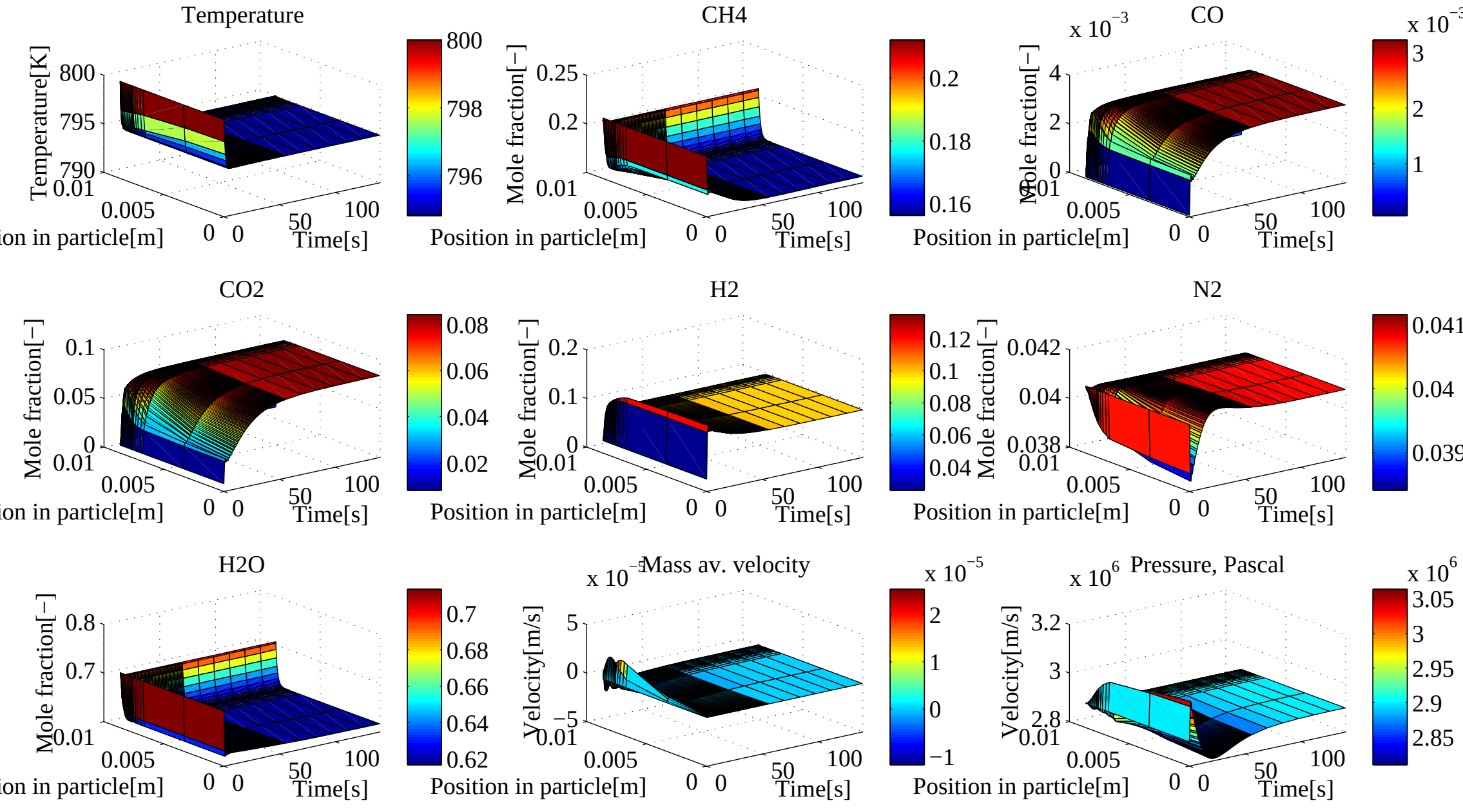
Temperature
Temperature[K]
800
795
790
0.01
0.005
0
0
50
100
Time[s]
Position in particle[m]
800
798
796
CH4
Mole fraction[−]
0.25
0.2
0.01
0.005
0
0
50
100
Time[s]
Position in particle[m]
0.2
0.18
0.16
CO
x 10^−3
Mole fraction[−]
4
2
0
0.01
0.005
0
0
50
100
Time[s]
Position in particle[m]
x 10^−3
3
2
1
CO2
Mole fraction[−]
0.1
0.05
0
0.01
0.005
0
0
50
100
Time[s]
Position in particle[m]
0.08
0.06
0.04
0.02
H2
Mole fraction[−]
0.2
0.1
0
0.01
0.005
0
0
50
100
Time[s]
Position in particle[m]
0.12
0.1
0.08
0.06
0.04
N2
Mole fraction[−]
0.042
0.04
0.038
0.01
0.005
0
0
50
100
Time[s]
Position in particle[m]
0.041
0.04
0.039
H2O
Mole fraction[−]
0.8
0.7
0.01
0.005
0
0
50
100
Time[s]
Position in particle[m]
0.7
0.68
0.66
0.64
0.62
Mass av. velocity
x 10^−5
Velocity[m/s]
5
0
−5
0.01
0.005
0
0
50
100
Time[s]
Position in particle[m]
x 10^−5
2
1
0
−1
Pressure, Pascal
x 10^6
Velocity[m/s]
3.2
3
2.8
0.01
0.005
0
0
50
100
Time[s]
Position in particle[m]
x 10^6
3.05
3
2.95
2.9
2.85