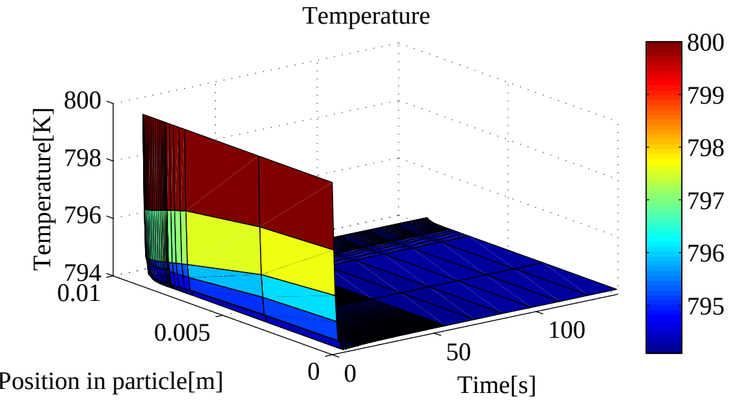
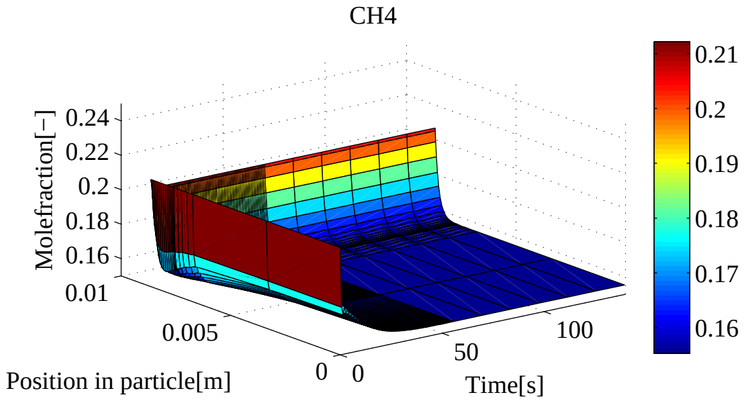
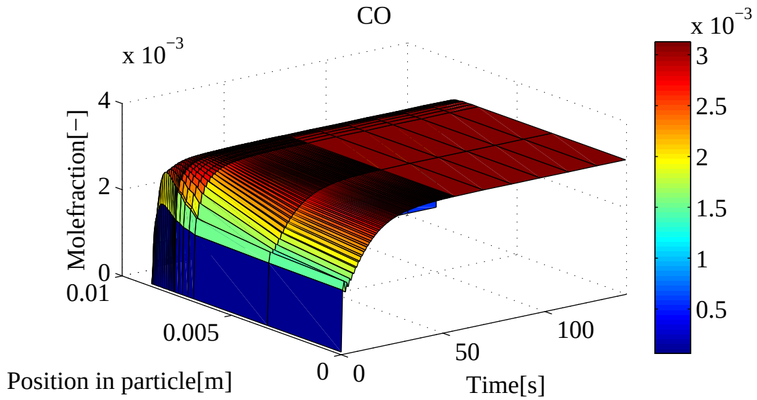
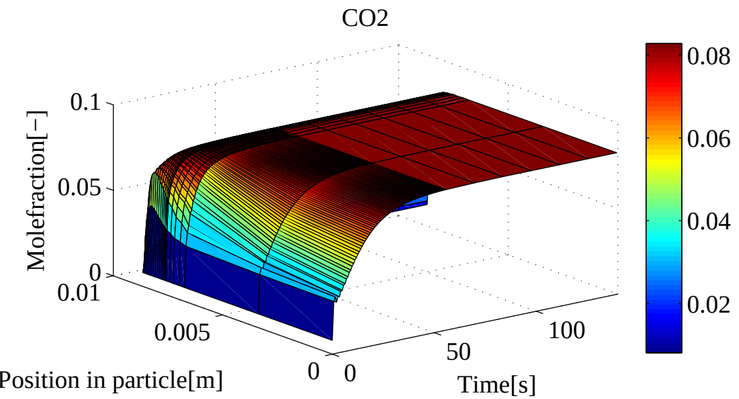
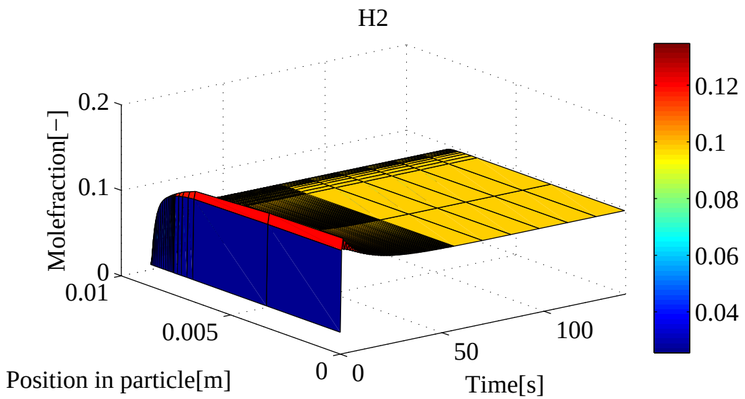
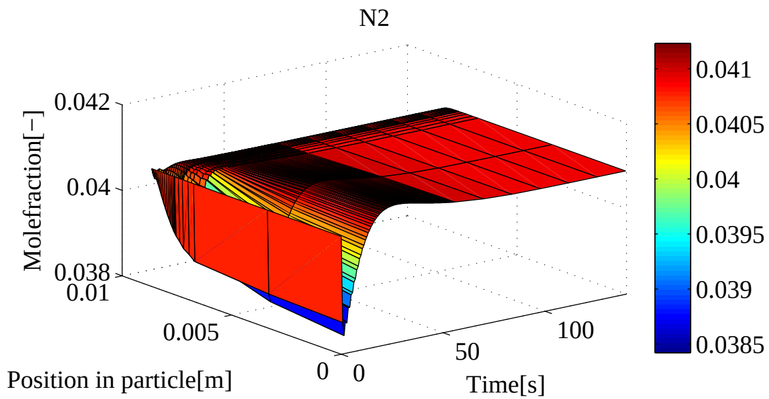

Temperature
Temperature[K]
800
798
796
794
0.01
0.005
0
Position in particle[m]
0
50
100
Time[s]
800
799
798
797
796
795

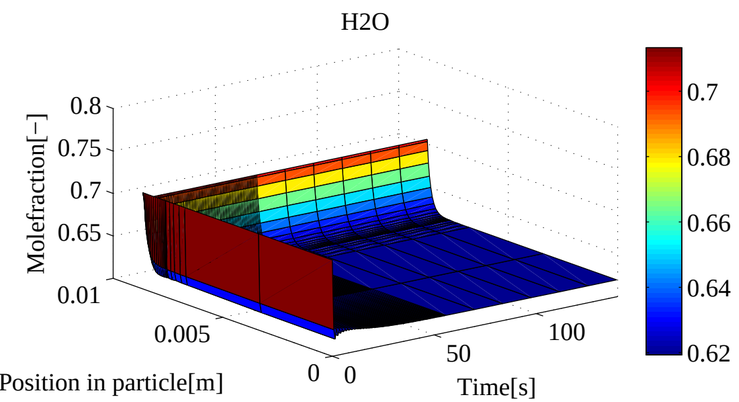

CH4
Molefraction[−]
0.24
0.22
0.2
0.18
0.16
0.01
0.005
0
Position in particle[m]
0
50
100
Time[s]
0.21
0.2
0.19
0.18
0.17
0.16

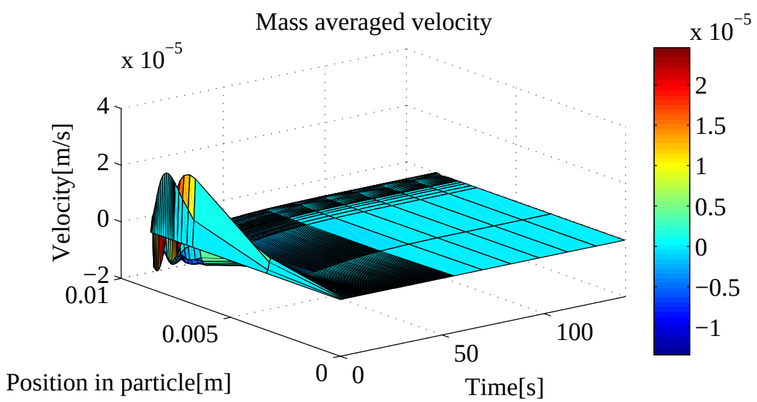

CO
x 10−3
Molefraction[−]
4
2
0
0.01
0.005
0
Position in particle[m]
0
50
100
Time[s]
x 10−3
3
2.5
2
1.5
1
0.5

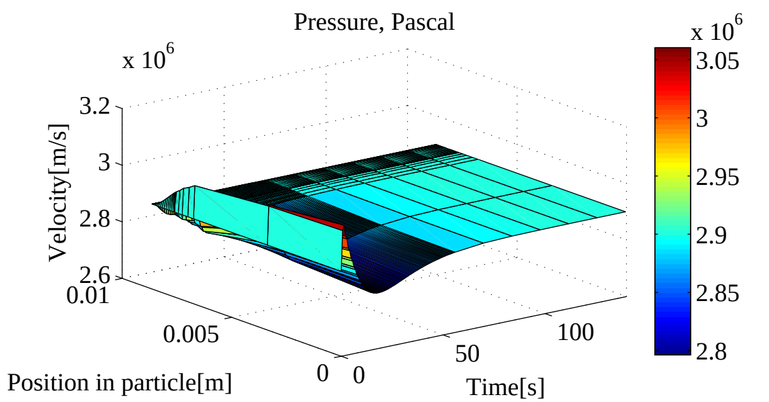

CO2
Molefraction[−]
0.1
0.05
0
0.01
0.005
0
Position in particle[m]
0
50
100
Time[s]
0.08
0.06
0.04
0.02


H2
Molefraction[−]
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
Molefraction[−]
0.042
0.04
0.038
0.01
0.005
0
Position in particle[m]
0
50
100
Time[s]
0.041
0.0405
0.04
0.0395
0.039
0.0385


H2O
Molefraction[−]
0.8
0.75
0.7
0.65
0.01
0.005
0
Position in particle[m]
0
50
100
Time[s]
0.7
0.68
0.66
0.64
0.62


Mass averaged velocity
x 10−5
Velocity[m/s]
4
2
0
−2
0.01
0.005
0
Position in particle[m]
0
50
100
Time[s]
x 10−5
2
1.5
1
0.5
0
−0.5
−1


Pressure, Pascal
x 10^6
Velocity[m/s]
3.2
3
2.8
2.6
0.01
0.005
0
Position in particle[m]
0
50
100
Time[s]
x 10^6
3.05
3
2.95
2.9
2.85
2.8