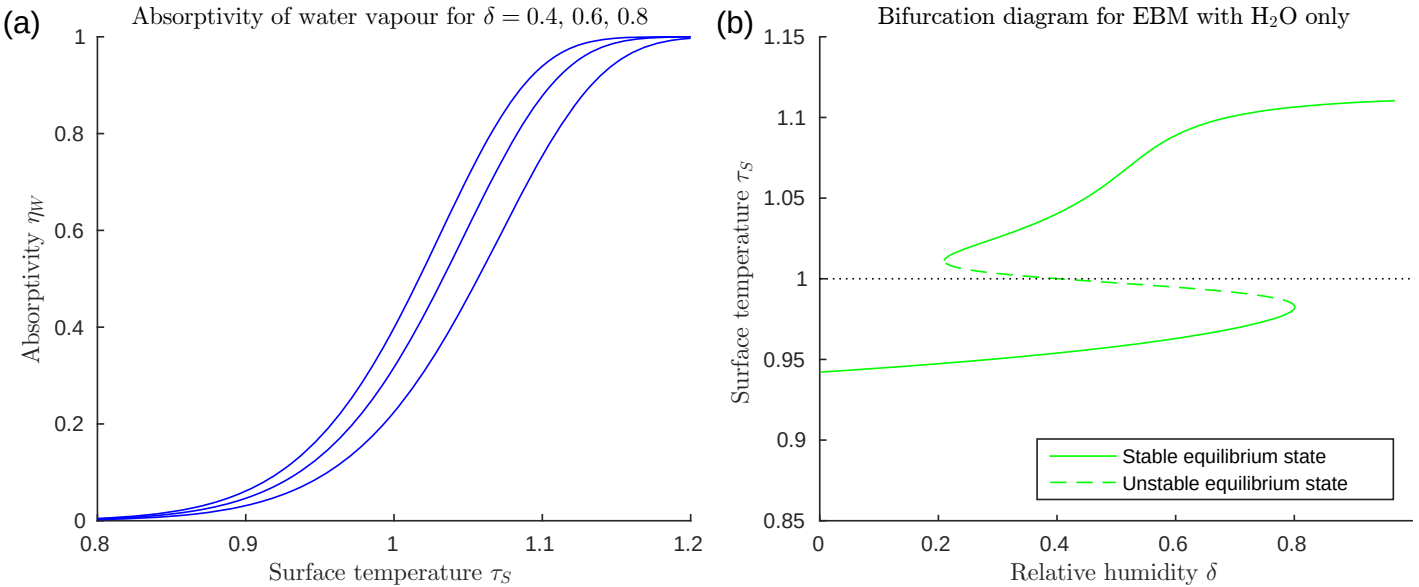
(a)
Absorptivity of water vapour for $\delta = 0.4, 0.6, 0.8$
Absorptivity η_W
Surface temperature τ_S
0
0.2
0.4
0.6
0.8
1
0.8
0.9
1
1.1
1.2
(b)
Bifurcation diagram for EBM with H_2O only
Surface temperature τ_S
Relative humidity δ
0.85
0.9
0.95
1
1.05
1.1
1.15
0
0.2
0.4
0.6
0.8
Stable equilibrium state
Unstable equilibrium state