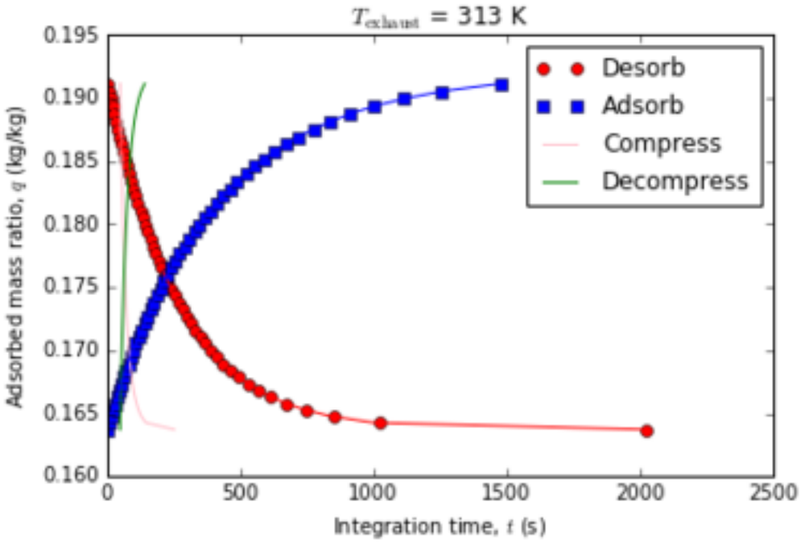
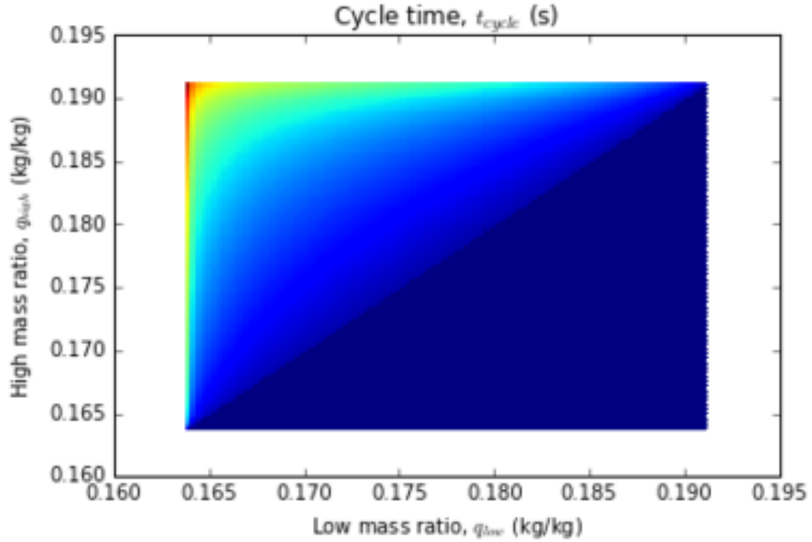
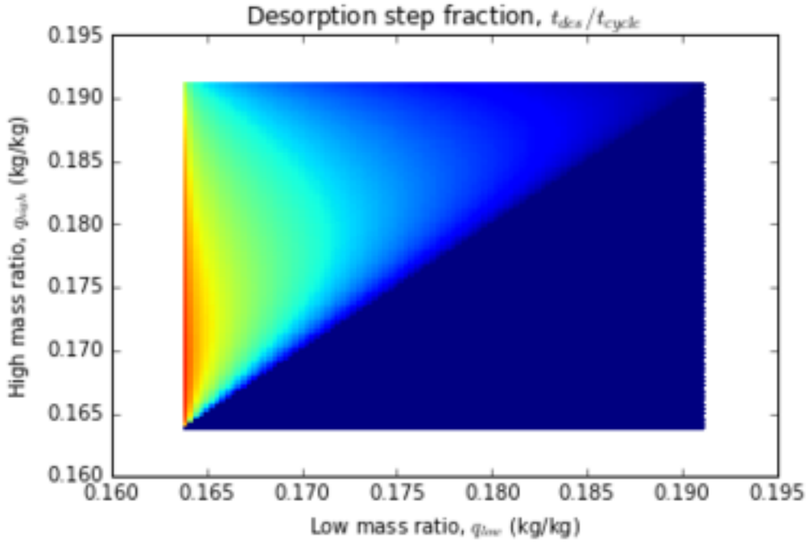
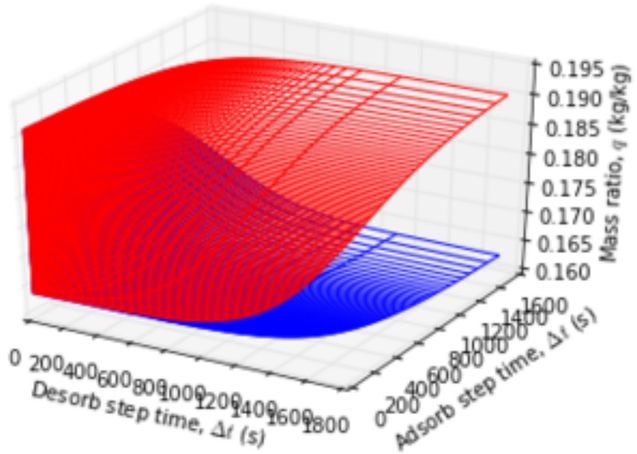
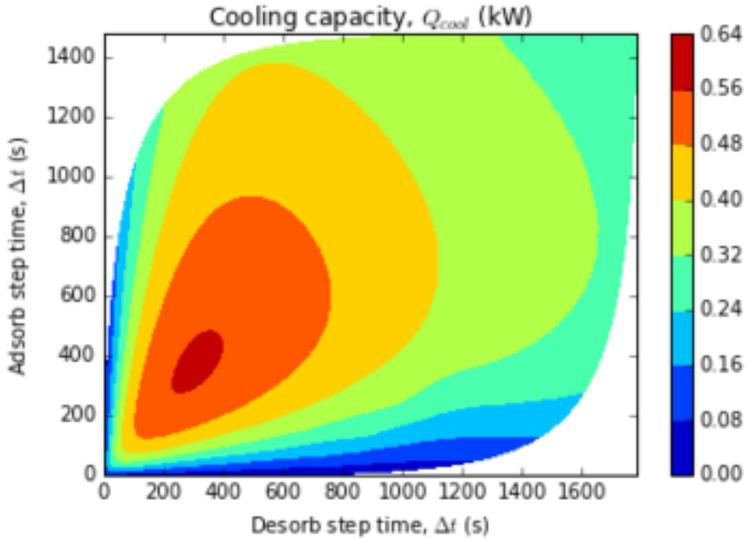
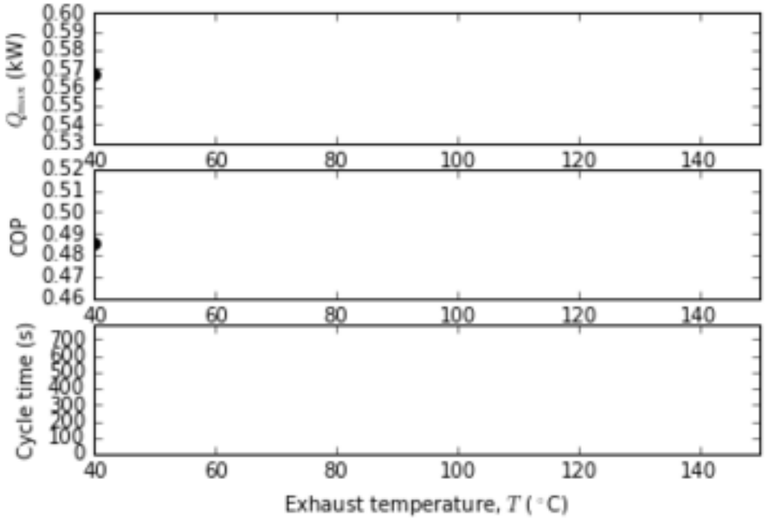

$T_{exhaust}$ = 313 K
Desorb
Adsorb
Compress
Decompress
Adsorbed mass ratio, q (kg/kg)
Integration time, t (s)

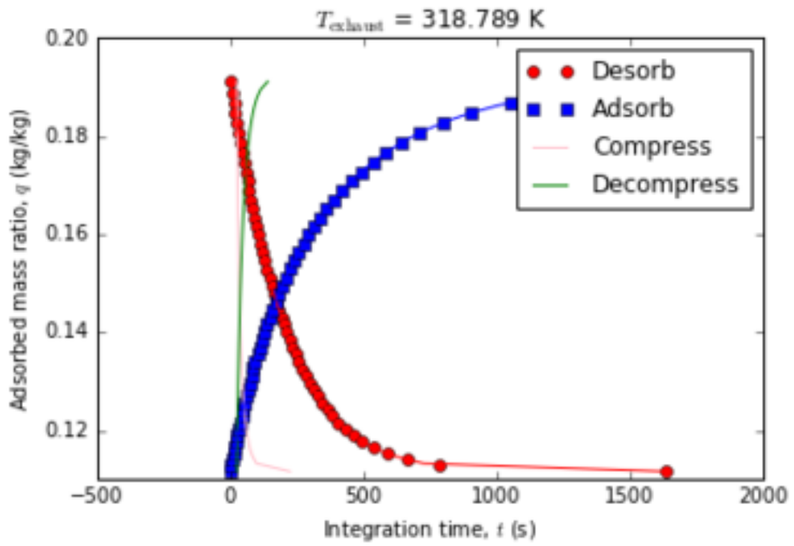

Cycle time, t_{cycle} (s)
High mass ratio, q_{high} (kg/kg)
Low mass ratio, q_{low} (kg/kg)

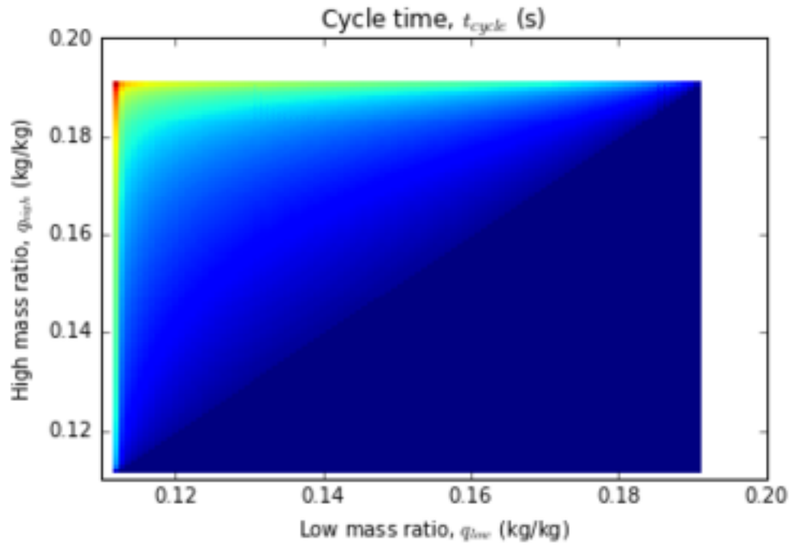

Desorption step fraction, t_{des}/t_{cycle}
High mass ratio, q_{high} (kg/kg)
Low mass ratio, q_{low} (kg/kg)

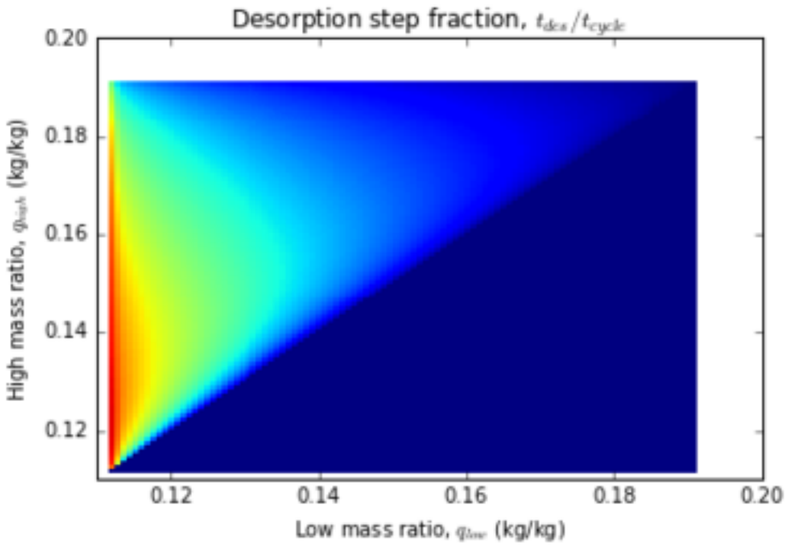

Mass ratio, q (kg/kg)
Desorb step time, Δt (s)
Adsorb step time, Δt (s)

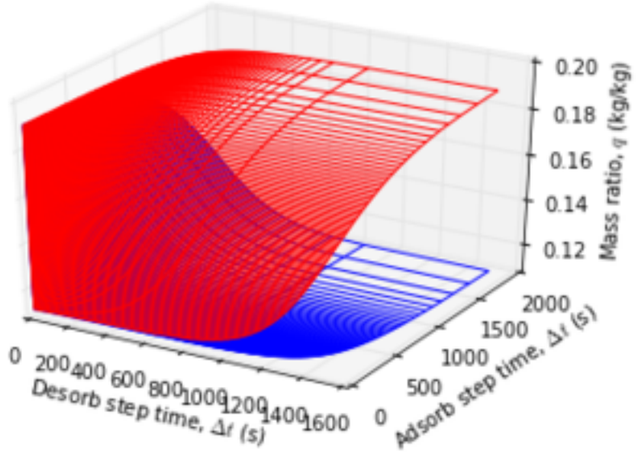

Cooling capacity, Q_{cool} (kW)
Adsorb step time, Δt (s)
Desorb step time, Δt (s)

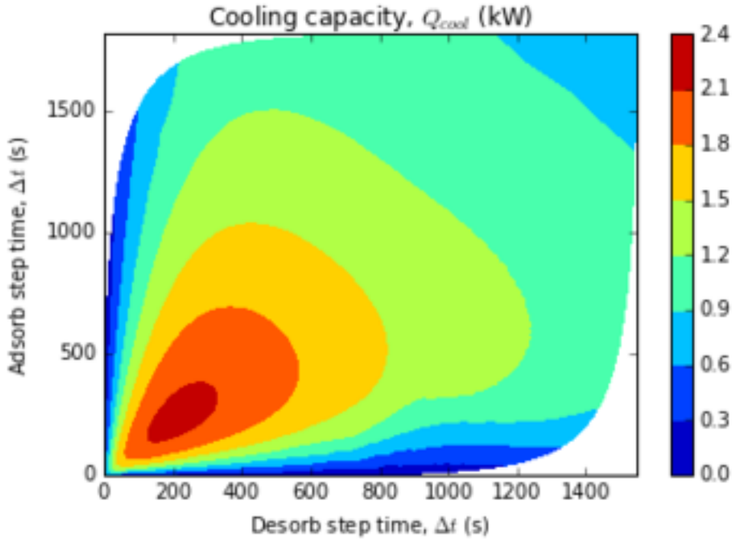

Q_{max} (kW)
COP
Cycle time (s)
Exhaust temperature, T (°C)

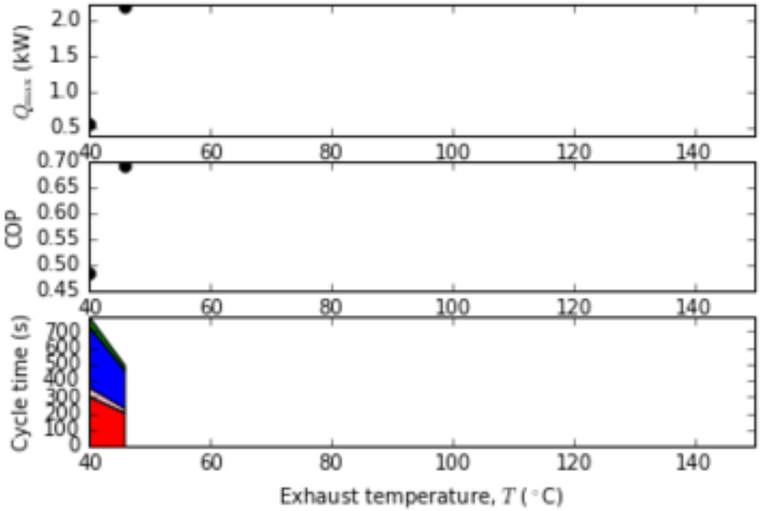

$T_{exhaust}$ = 318.789 K
Desorb
Adsorb
Compress
Decompress
Adsorbed mass ratio, q (kg/kg)
Integration time, t (s)

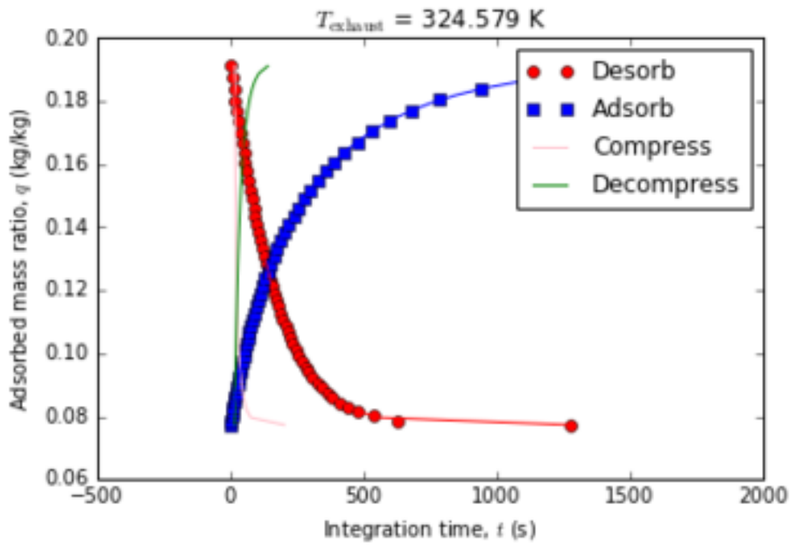

Cycle time, t_{cycle} (s)
High mass ratio, q_{high} (kg/kg)
Low mass ratio, q_{low} (kg/kg)

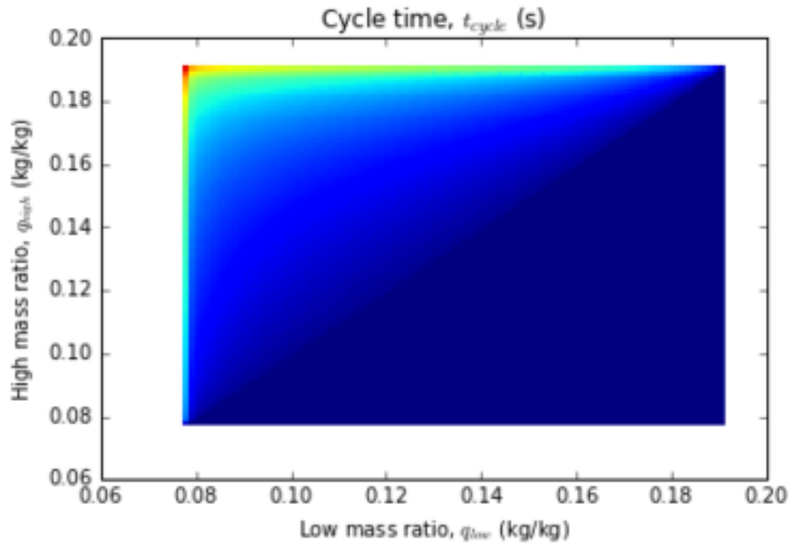

Desorption step fraction, t_{des}/t_{cycle}
High mass ratio, q_{high} (kg/kg)
Low mass ratio, q_{low} (kg/kg)

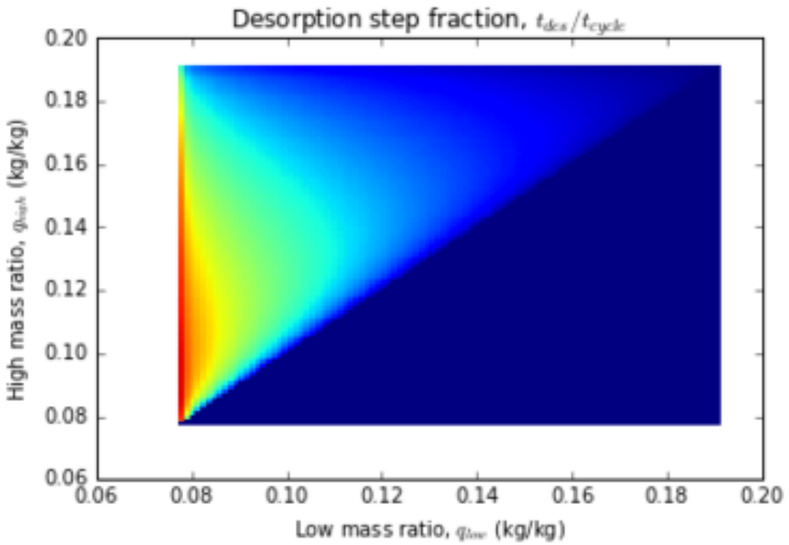

Mass ratio, q (kg/kg)
Desorb step time, Δt (s)
Adsorb step time, Δt (s)

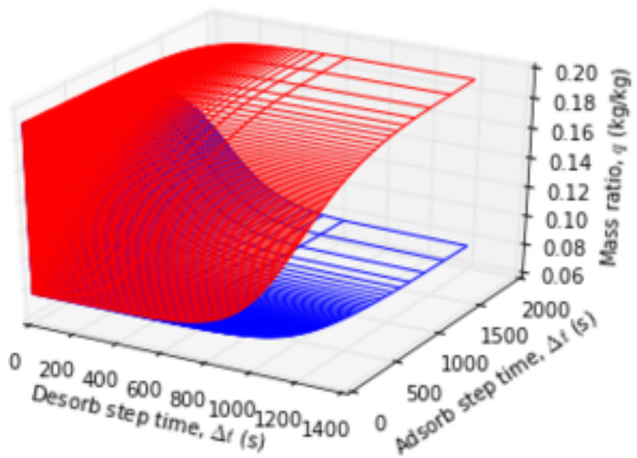

Cooling capacity, Q_{cool} (kW)
Adsorb step time, Δt (s)
Desorb step time, Δt (s)

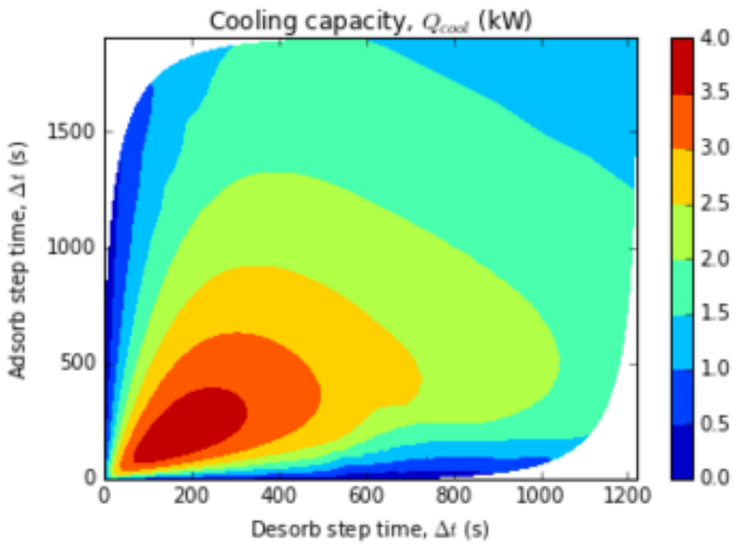

Q_{max} (kW)
COP
Cycle time (s)
Exhaust temperature, T (°C)

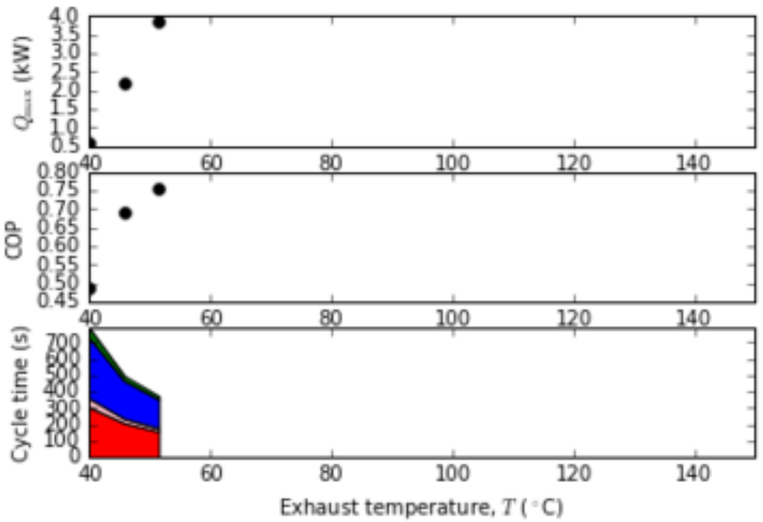

$T_{exhaust}$ = 324.579 K
Desorb
Adsorb
Compress
Decompress
Adsorbed mass ratio, q (kg/kg)
Integration time, t (s)

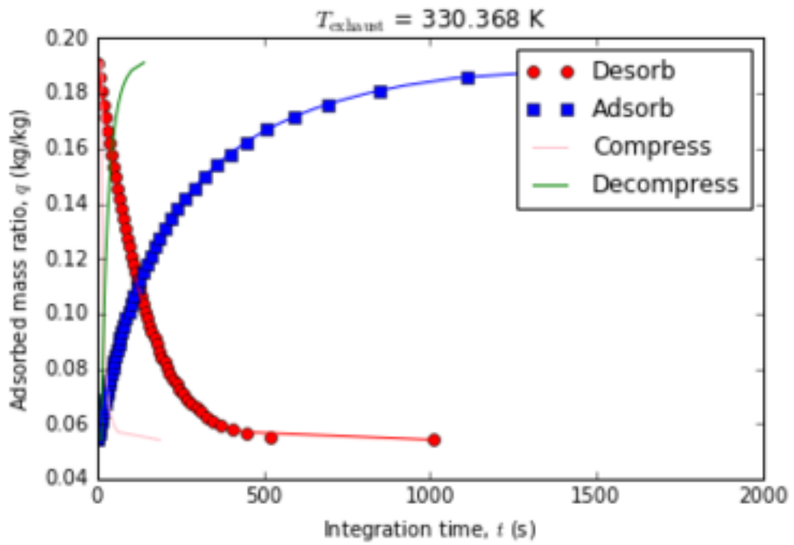

Cycle time, t_{cycle} (s)
High mass ratio, q_{high} (kg/kg)
Low mass ratio, q_{low} (kg/kg)

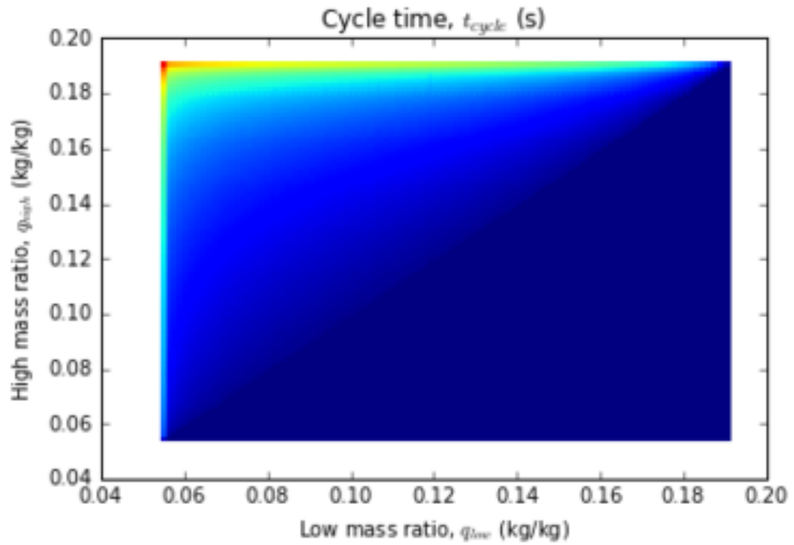

Desorption step fraction, t_{des}/t_{cycle}
High mass ratio, q_{high} (kg/kg)
Low mass ratio, q_{low} (kg/kg)

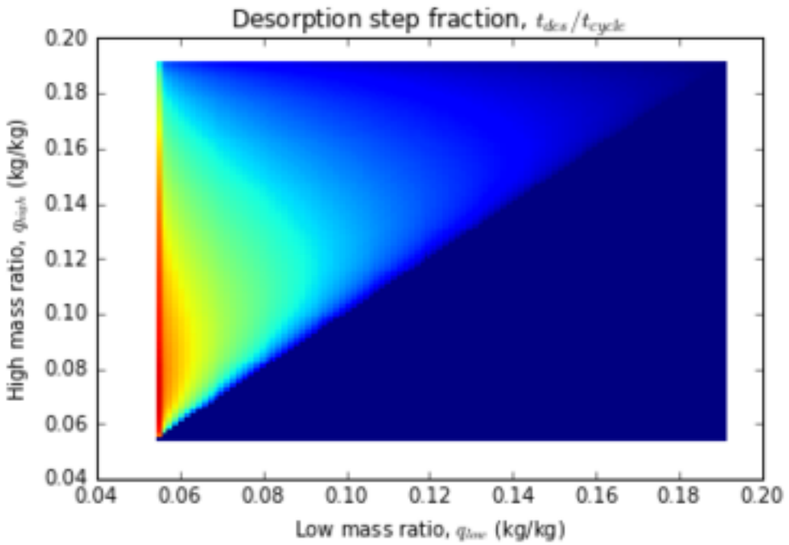

Mass ratio, q (kg/kg)
Desorb step time, Δt (s)
Adsorb step time, Δt (s)

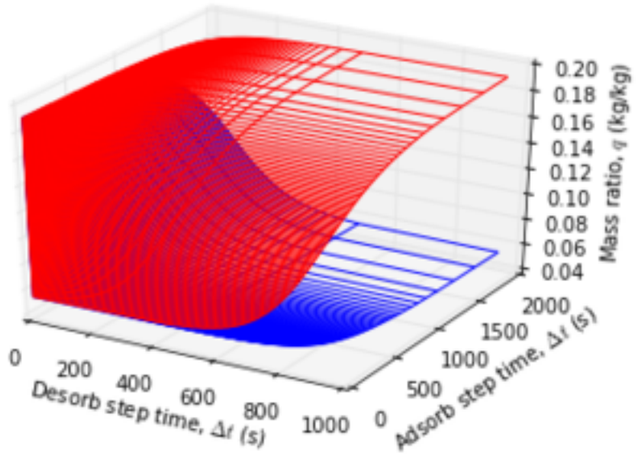

Cooling capacity, Q_{cool} (kW)
Adsorb step time, Δt (s)
Desorb step time, Δt (s)

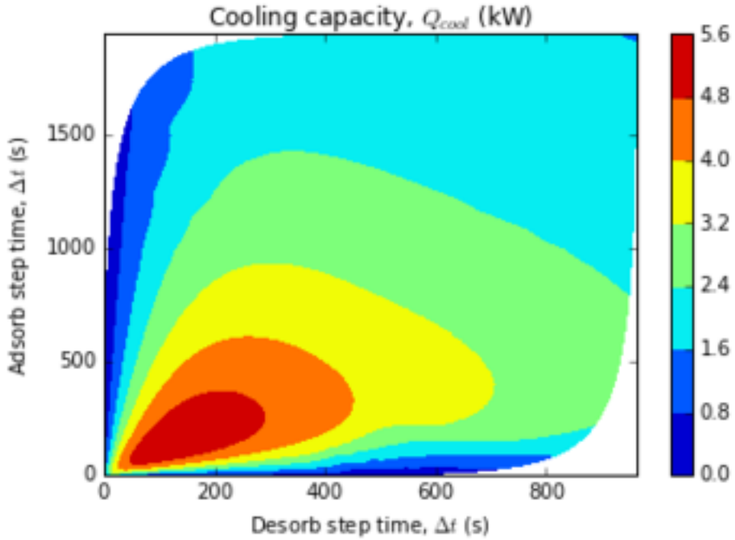

Q_{max} (kW)
COP
Cycle time (s)
Exhaust temperature, T (°C)

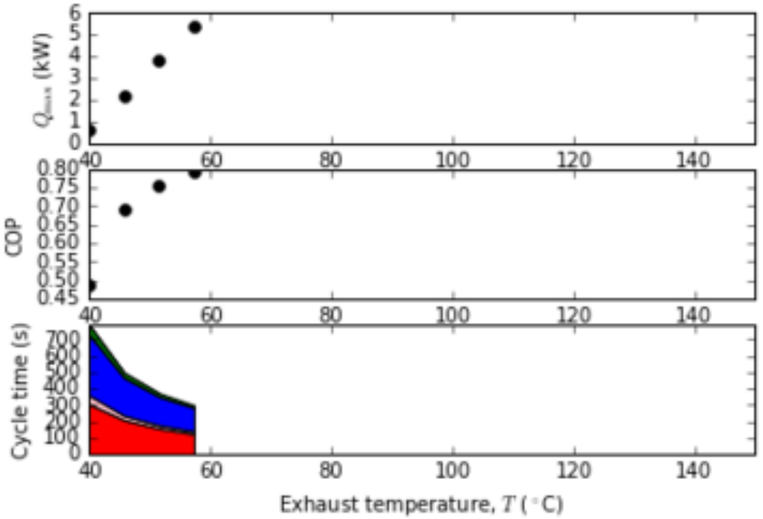

$T_{exhaust}$ = 330.368 K
Desorb
Adsorb
Compress
Decompress
Adsorbed mass ratio, q (kg/kg)
Integration time, t (s)

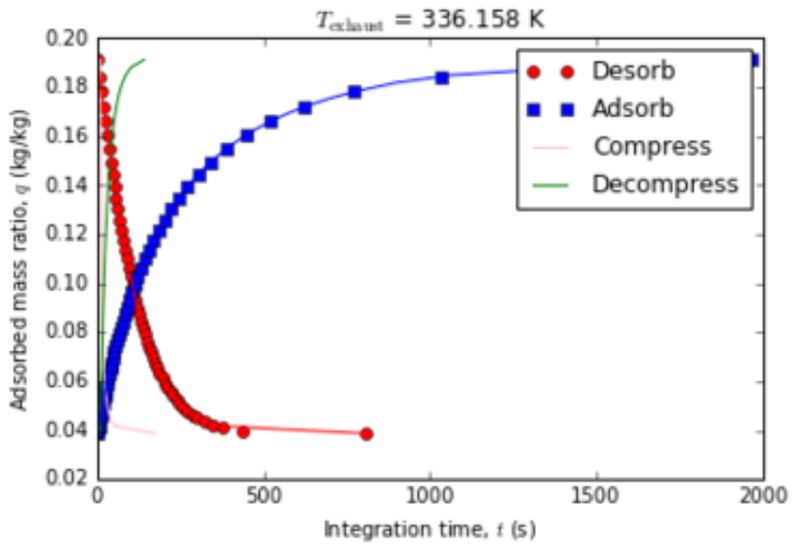

Cycle time, t_{cycle} (s)
High mass ratio, q_{high} (kg/kg)
Low mass ratio, q_{low} (kg/kg)

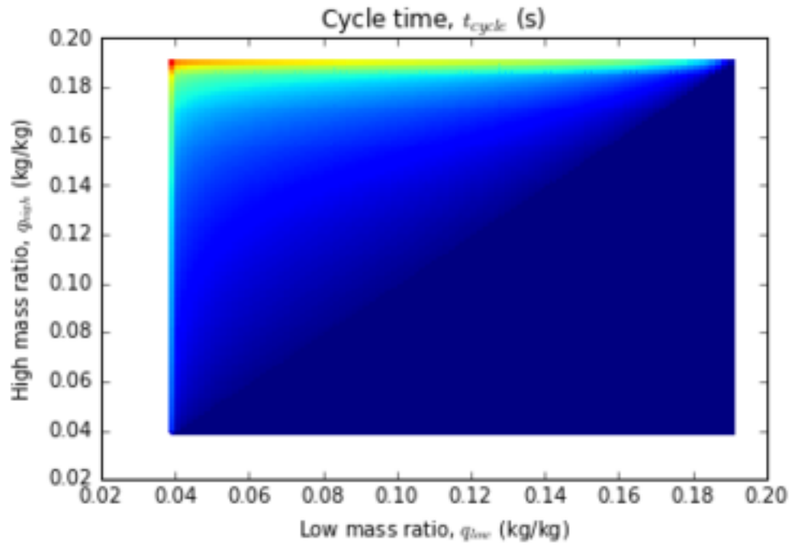

Desorption step fraction, t_{des}/t_{cycle}
High mass ratio, q_{high} (kg/kg)
Low mass ratio, q_{low} (kg/kg)

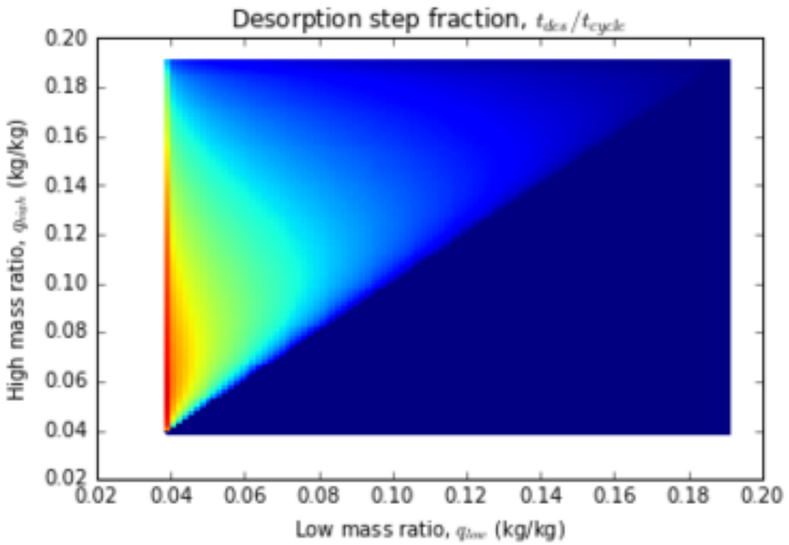

Mass ratio, q (kg/kg)
Desorb step time, Δt (s)
Adsorb step time, Δt (s)

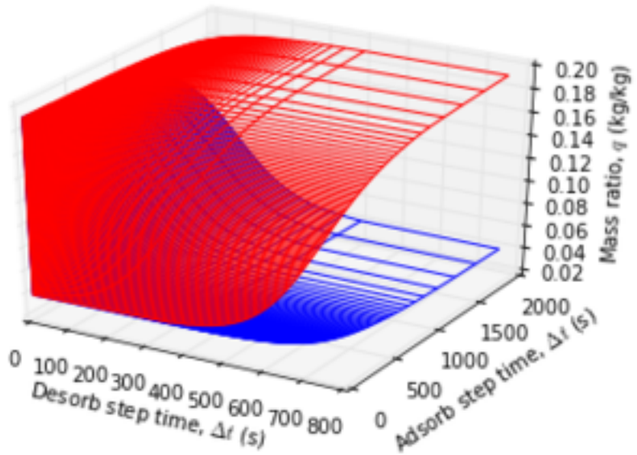

Cooling capacity, Q_{cool} (kW)
Adsorb step time, Δt (s)
Desorb step time, Δt (s)

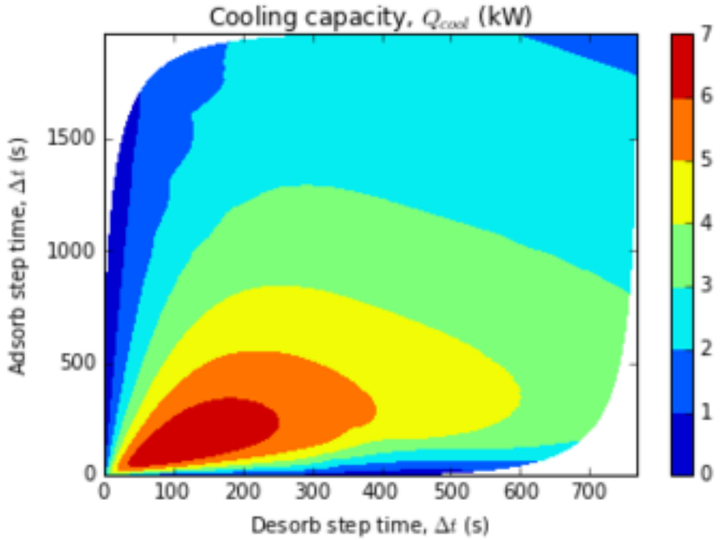

Q_{max} (kW)
COP
Cycle time (s)
Exhaust temperature, T (°C)

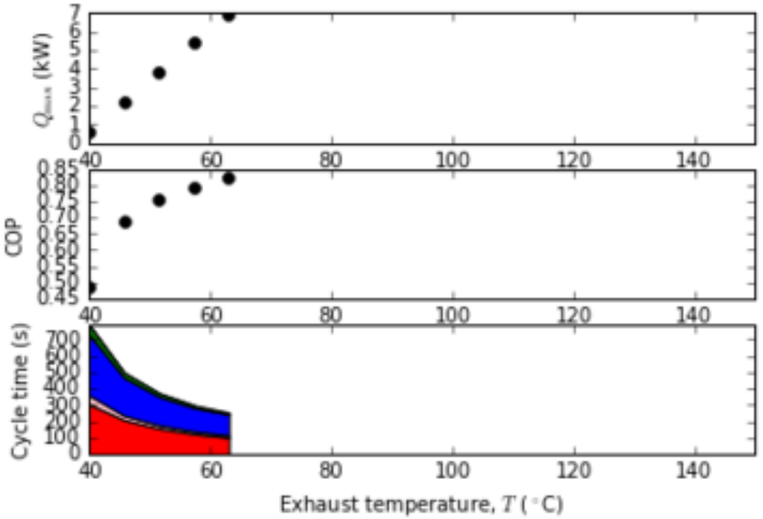

$T_{exhaust}$ = 336.158 K
Desorb
Adsorb
Compress
Decompress
Adsorbed mass ratio, q (kg/kg)
Integration time, t (s)

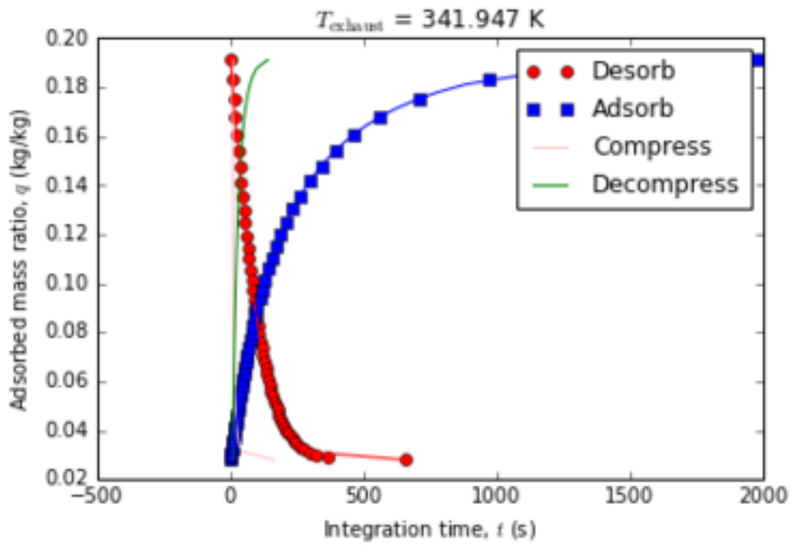

Cycle time, t_{cycle} (s)
High mass ratio, q_{high} (kg/kg)
Low mass ratio, q_{low} (kg/kg)

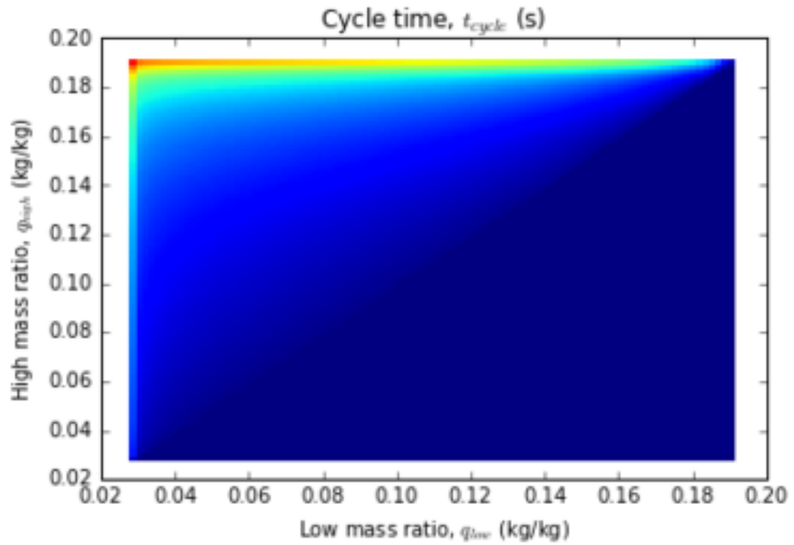

Desorption step fraction, t_{des}/t_{cycle}
High mass ratio, q_{high} (kg/kg)
Low mass ratio, q_{low} (kg/kg)

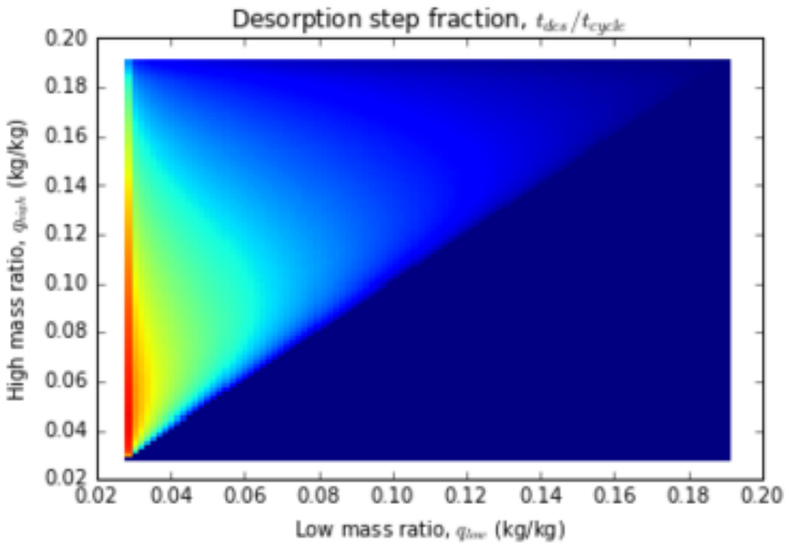

Mass ratio, q (kg/kg)
Desorb step time, Δt (s)
Adsorb step time, Δt (s)

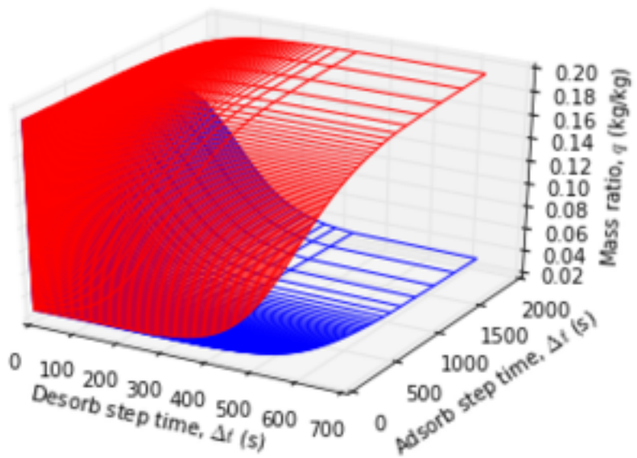

Cooling capacity, Q_{cool} (kW)
Adsorb step time, Δt (s)
Desorb step time, Δt (s)

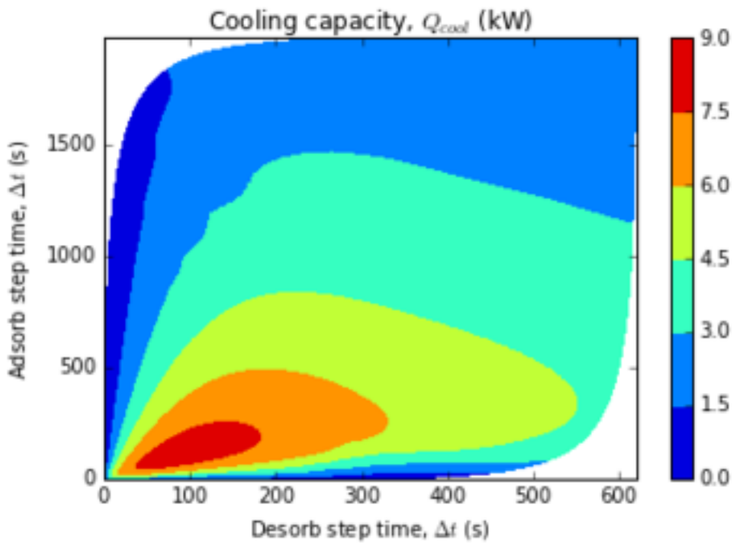

Q_{max} (kW)
COP
Cycle time (s)
Exhaust temperature, T (°C)

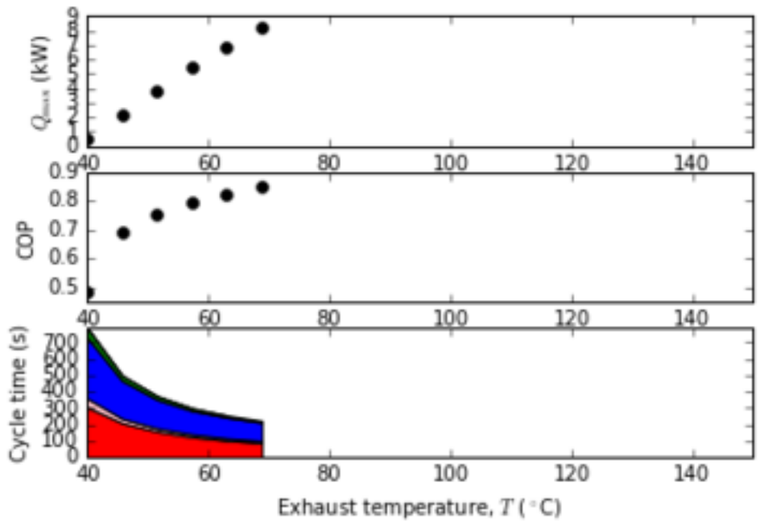

$T_{exhaust}$ = 341.947 K
Desorb
Adsorb
Compress
Decompress
Adsorbed mass ratio, q (kg/kg)
Integration time, t (s)

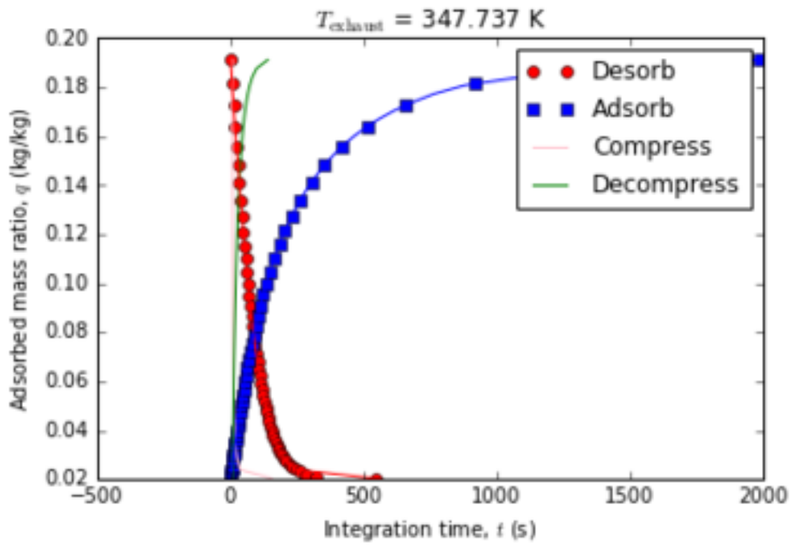

Cycle time, t_{cycle} (s)
High mass ratio, q_{high} (kg/kg)
Low mass ratio, q_{low} (kg/kg)

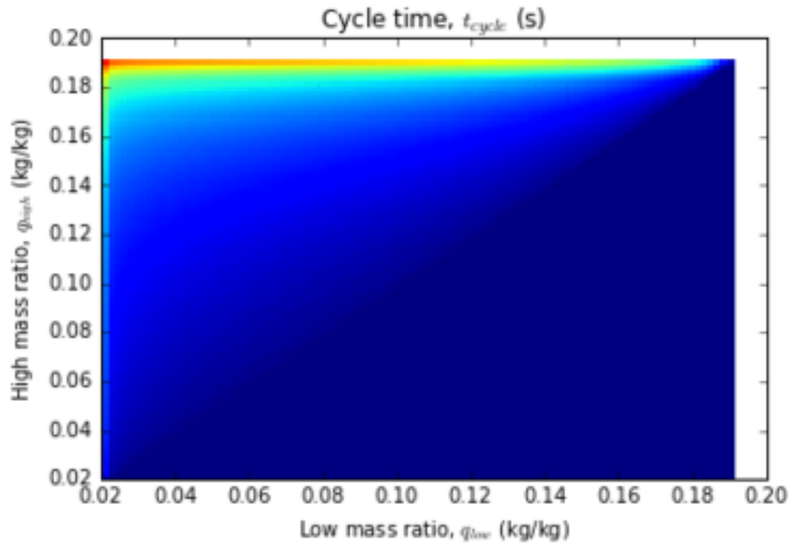

Desorption step fraction, t_{des}/t_{cycle}
High mass ratio, q_{high} (kg/kg)
Low mass ratio, q_{low} (kg/kg)

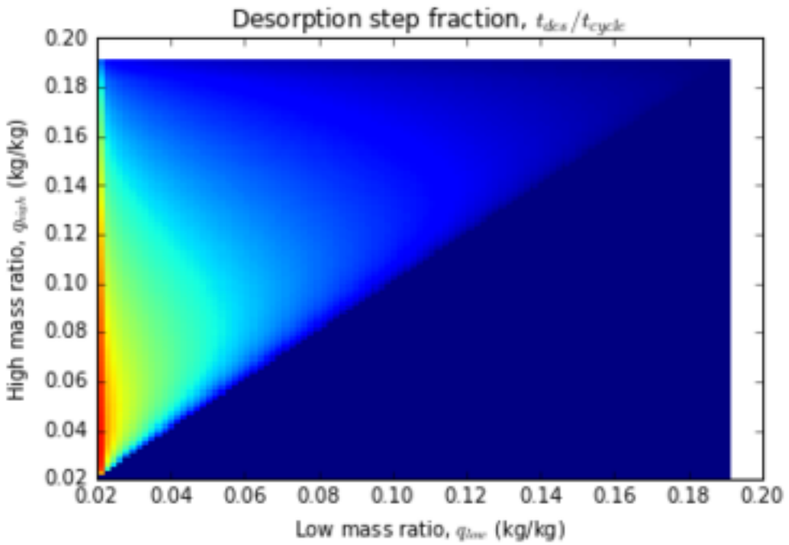

Mass ratio, q (kg/kg)
Desorb step time, Δt (s)
Adsorb step time, Δt (s)

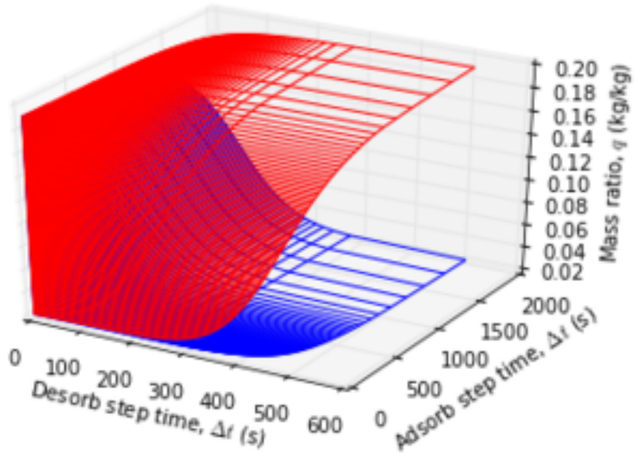

Cooling capacity, Q_{cool} (kW)
Adsorb step time, Δt (s)
Desorb step time, Δt (s)

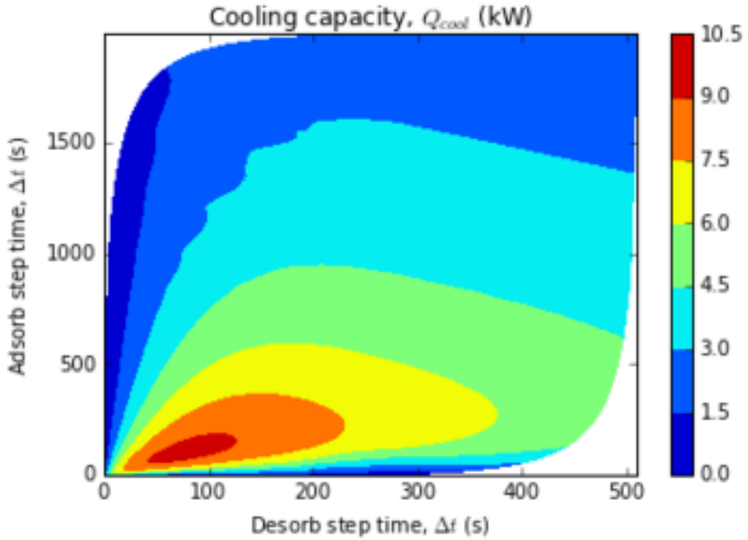

Q_{max} (kW)
COP
Cycle time (s)
Exhaust temperature, T (°C)

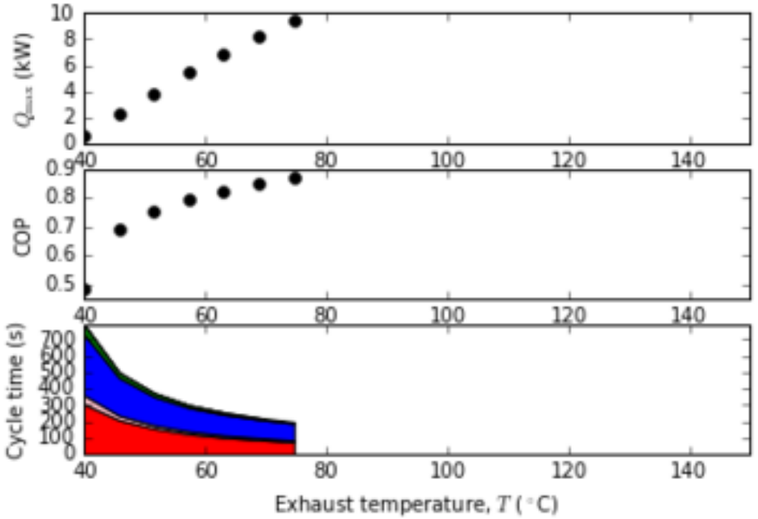

$T_{exhaust}$ = 347.737 K
Desorb
Adsorb
Compress
Decompress
Adsorbed mass ratio, q (kg/kg)
Integration time, t (s)

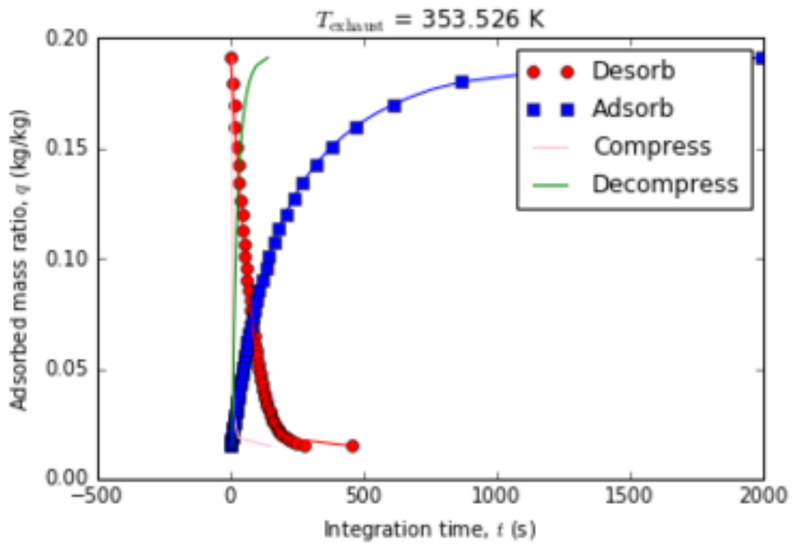

Cycle time, t_{cycle} (s)
High mass ratio, q_{high} (kg/kg)
Low mass ratio, q_{low} (kg/kg)

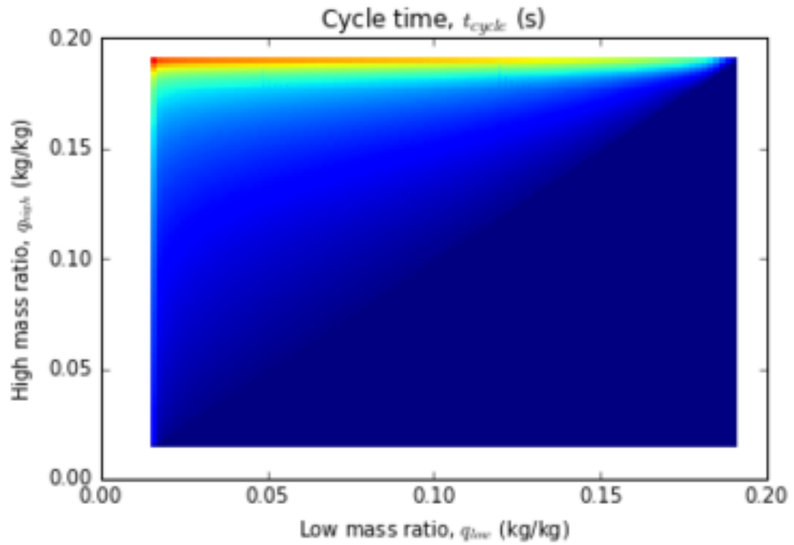

Desorption step fraction, t_{des}/t_{cycle}
High mass ratio, q_{high} (kg/kg)
Low mass ratio, q_{low} (kg/kg)

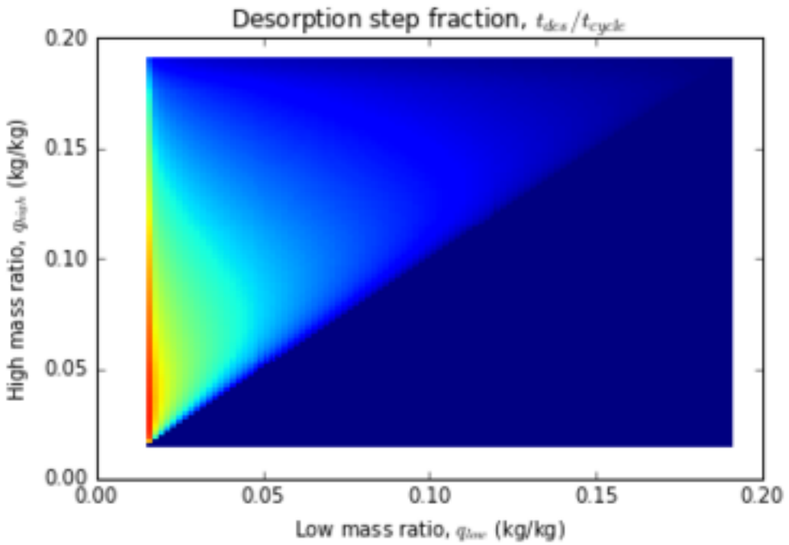

Mass ratio, q (kg/kg)
Desorb step time, Δt (s)
Adsorb step time, Δt (s)

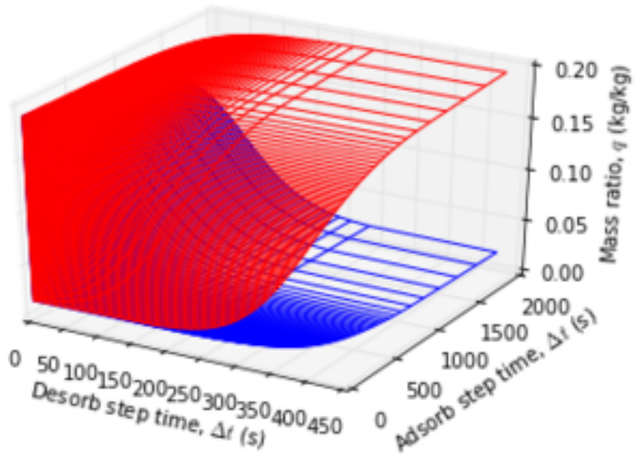

Cooling capacity, Q_{cool} (kW)
Adsorb step time, Δt (s)
Desorb step time, Δt (s)

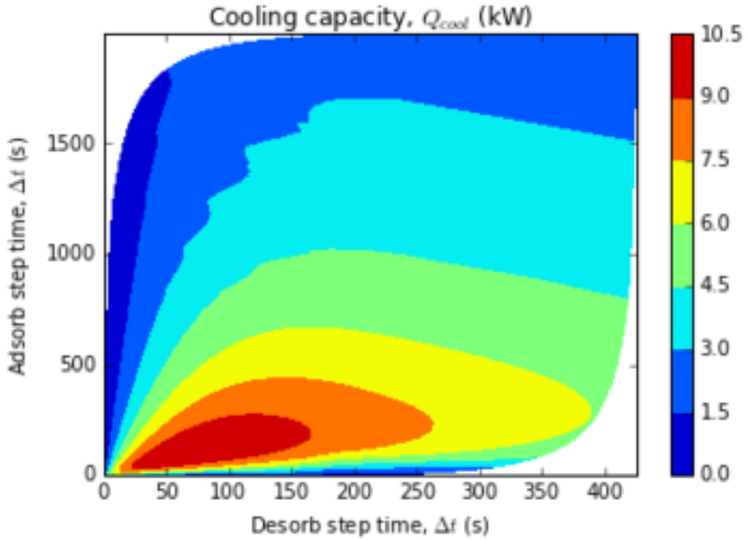

Q_{max} (kW)
COP
Cycle time (s)
Exhaust temperature, T (°C)

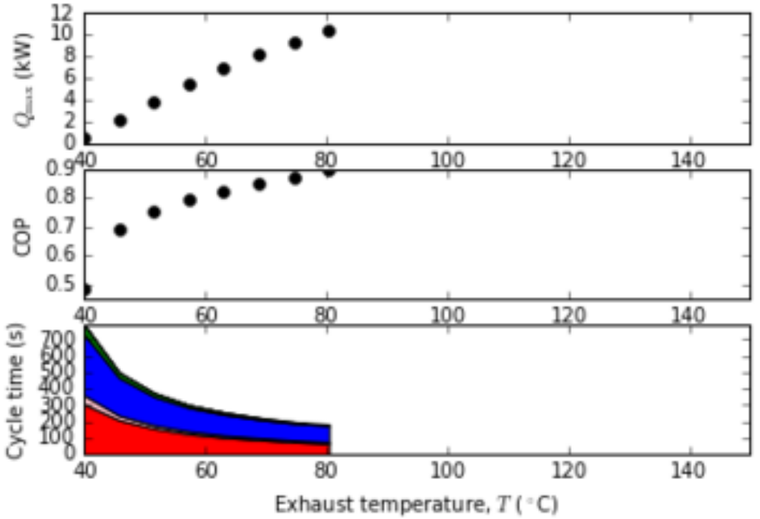

$T_{exhaust}$ = 353.526 K
Desorb
Adsorb
Compress
Decompress
Adsorbed mass ratio, q (kg/kg)
Integration time, t (s)

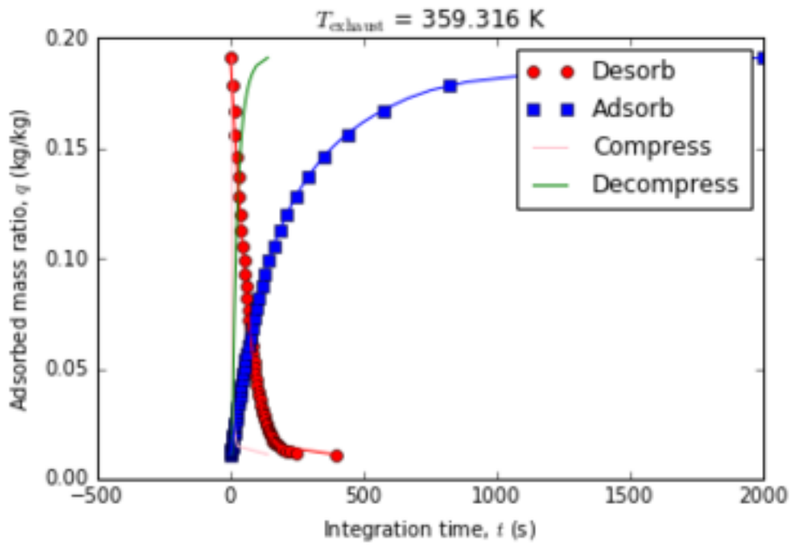

Cycle time, t_{cycle} (s)
High mass ratio, q_{high} (kg/kg)
Low mass ratio, q_{low} (kg/kg)

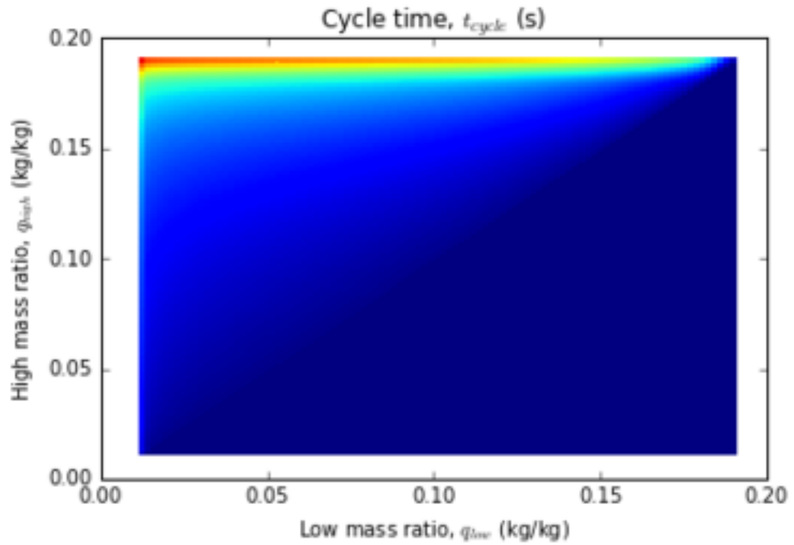

Desorption step fraction, t_{des}/t_{cycle}
High mass ratio, q_{high} (kg/kg)
Low mass ratio, q_{low} (kg/kg)

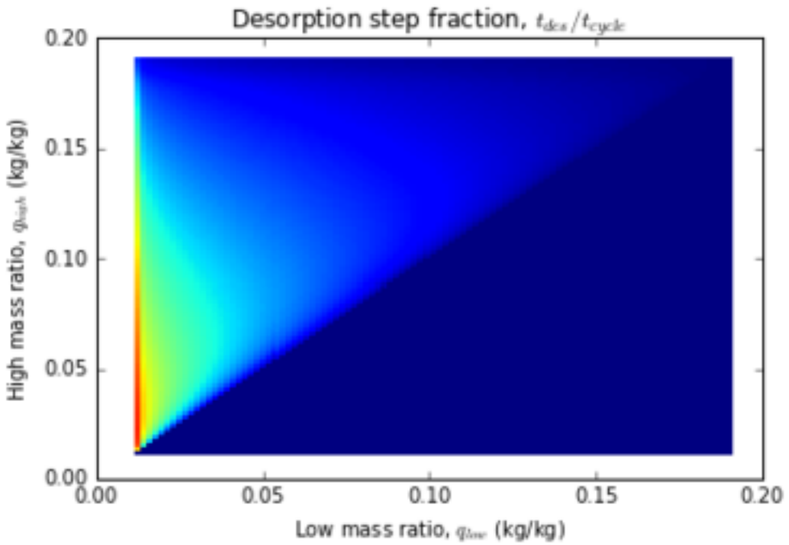

Mass ratio, q (kg/kg)
Desorb step time, Δt (s)
Adsorb step time, Δt (s)

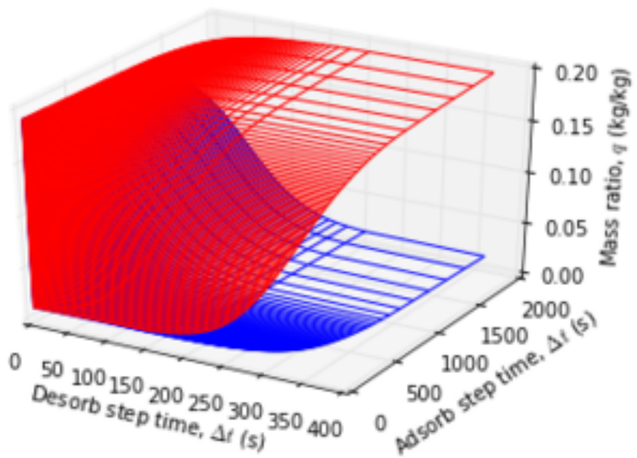

Cooling capacity, Q_{cool} (kW)
Adsorb step time, Δt (s)
Desorb step time, Δt (s)

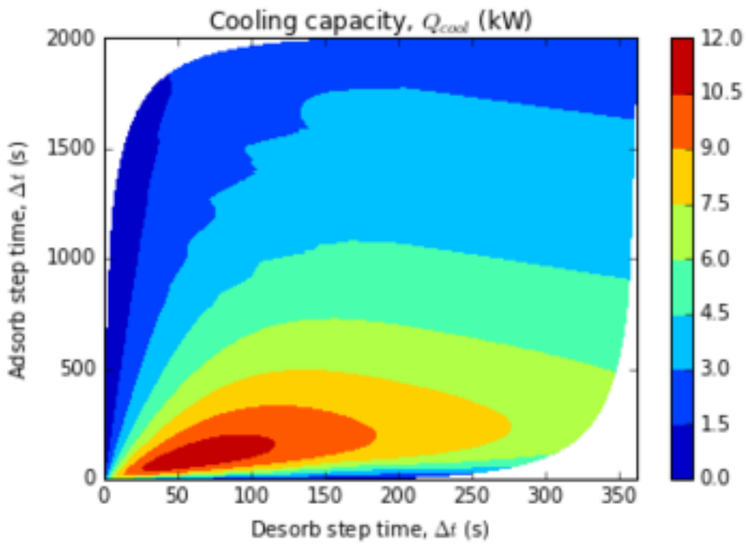

Q_{max} (kW)
COP
Cycle time (s)
Exhaust temperature, T (°C)

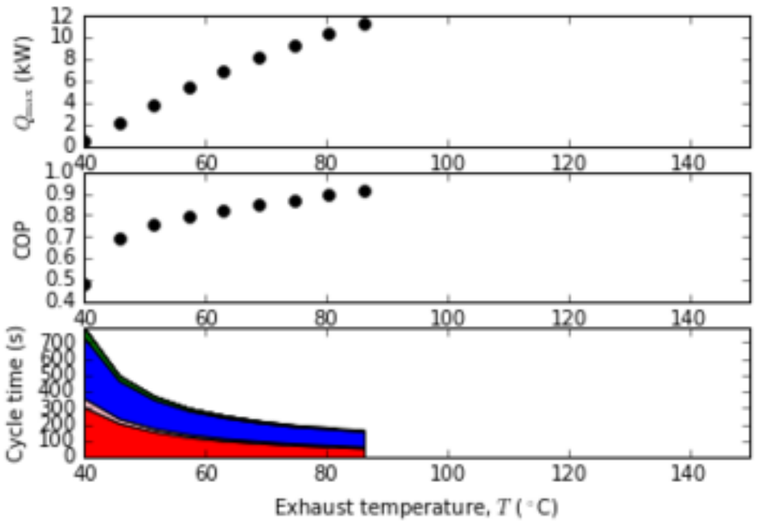

$T_{exhaust}$ = 359.316 K
Desorb
Adsorb
Compress
Decompress
Adsorbed mass ratio, q (kg/kg)
Integration time, t (s)

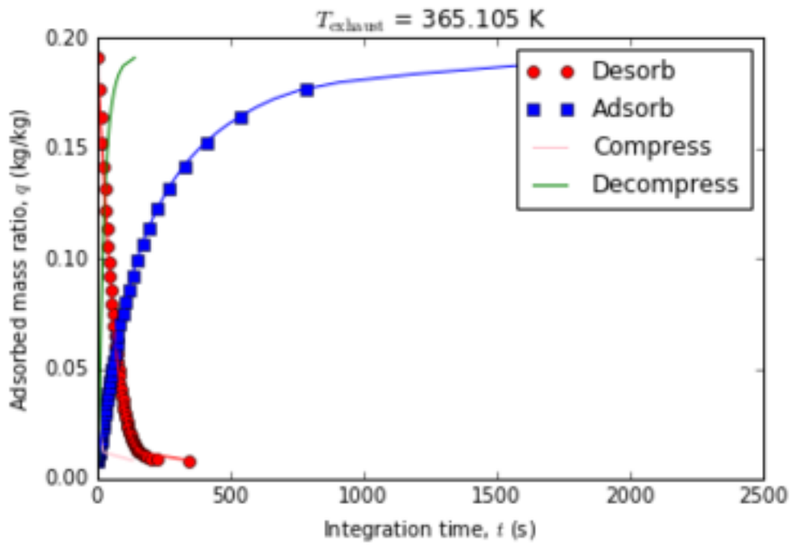

Cycle time, t_{cycle} (s)
High mass ratio, q_{high} (kg/kg)
Low mass ratio, q_{low} (kg/kg)

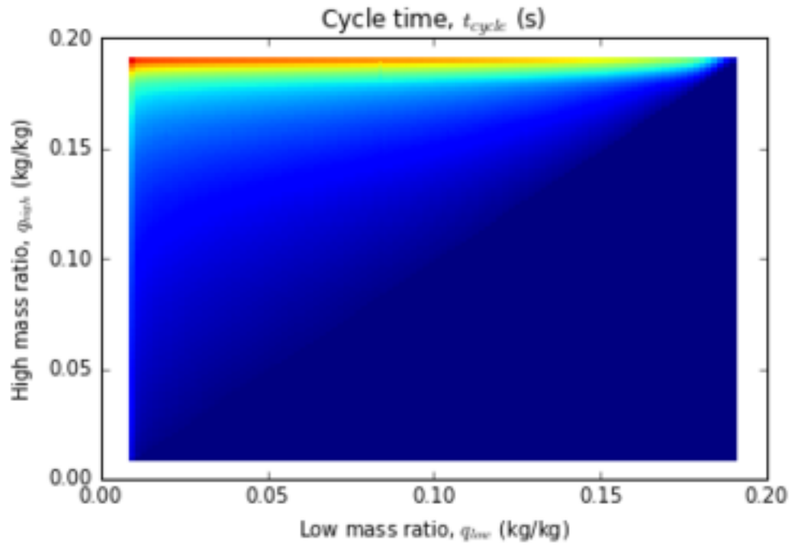

Desorption step fraction, t_{des}/t_{cycle}
High mass ratio, q_{high} (kg/kg)
Low mass ratio, q_{low} (kg/kg)

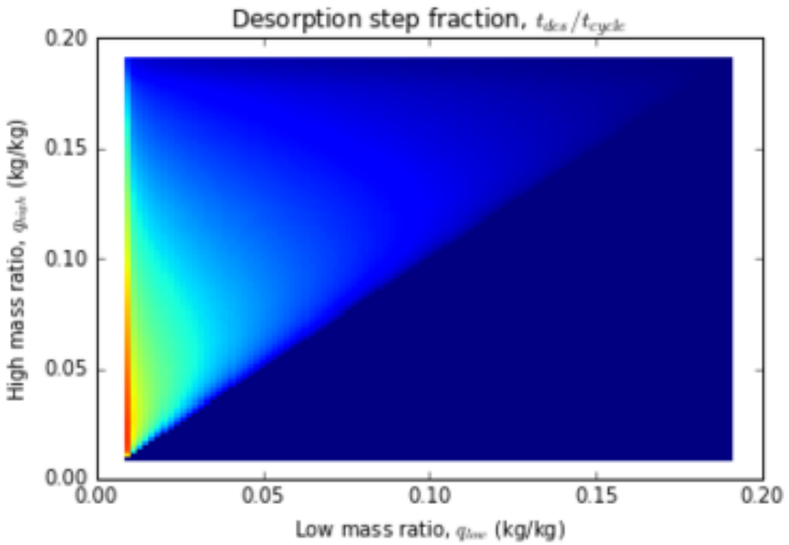

Mass ratio, q (kg/kg)
Desorb step time, Δt (s)
Adsorb step time, Δt (s)

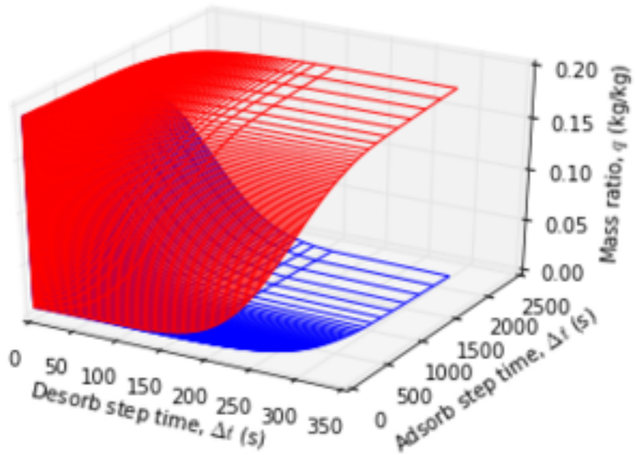

Cooling capacity, Q_{cool} (kW)
Adsorb step time, Δt (s)
Desorb step time, Δt (s)

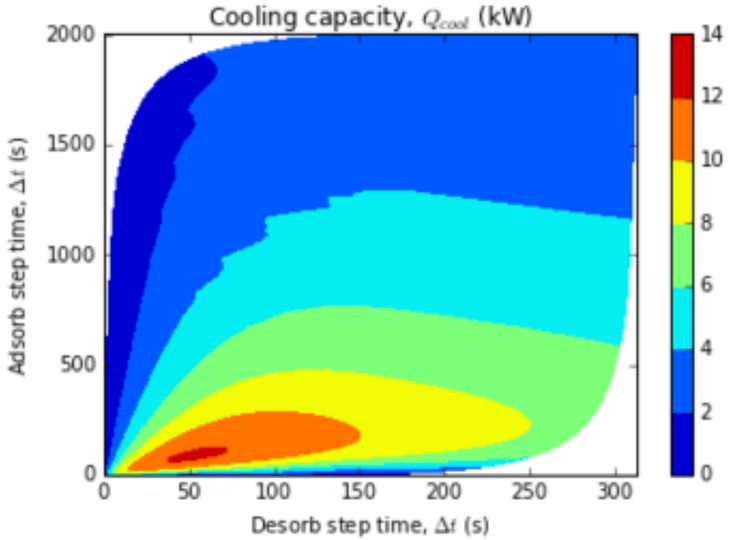

Q_{max} (kW)
COP
Cycle time (s)
Exhaust temperature, T (°C)

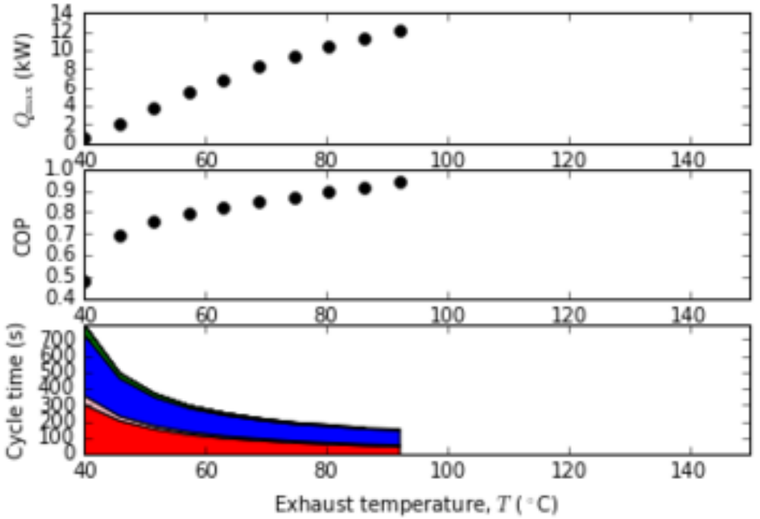

$T_{exhaust}$ = 365.105 K
Desorb
Adsorb
Compress
Decompress
Adsorbed mass ratio, q (kg/kg)
Integration time, t (s)

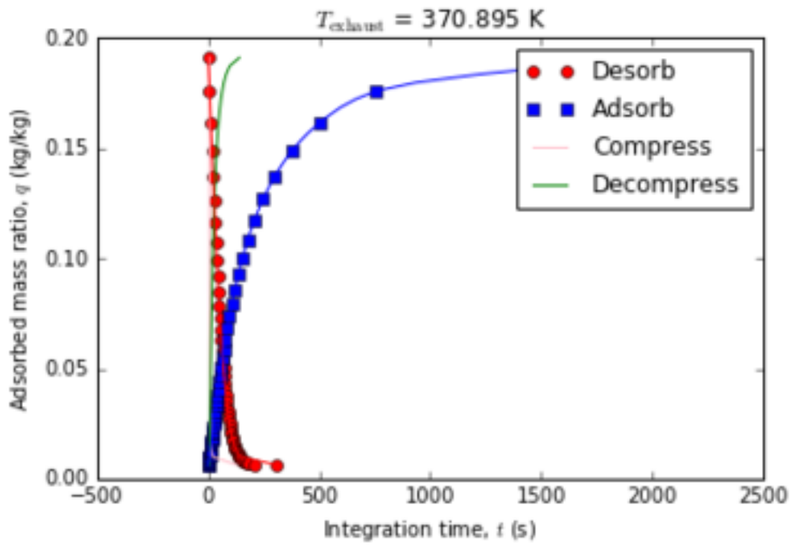

Cycle time, t_{cycle} (s)
High mass ratio, q_{high} (kg/kg)
Low mass ratio, q_{low} (kg/kg)

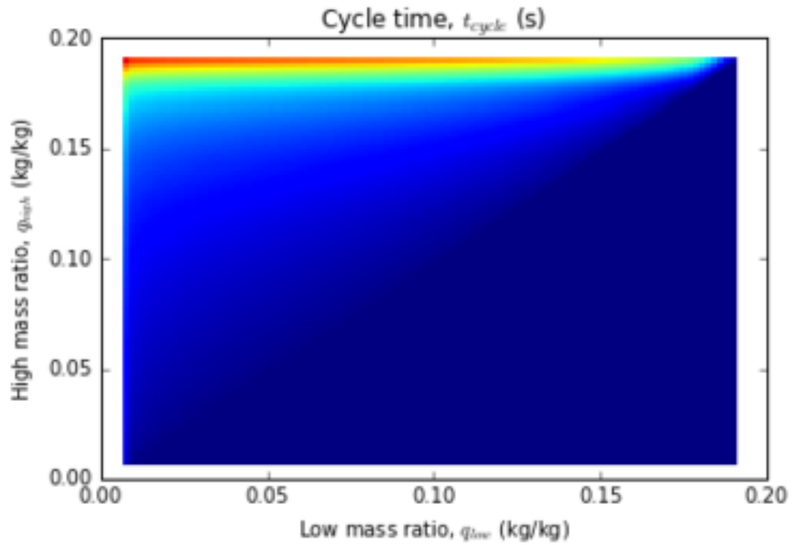

Desorption step fraction, t_{des}/t_{cycle}
High mass ratio, q_{high} (kg/kg)
Low mass ratio, q_{low} (kg/kg)

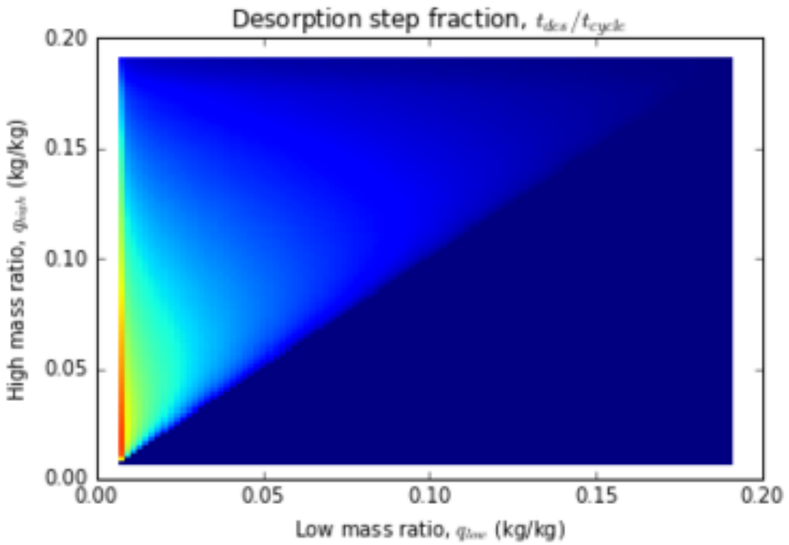

Mass ratio, q (kg/kg)
Desorb step time, Δt (s)
Adsorb step time, Δt (s)

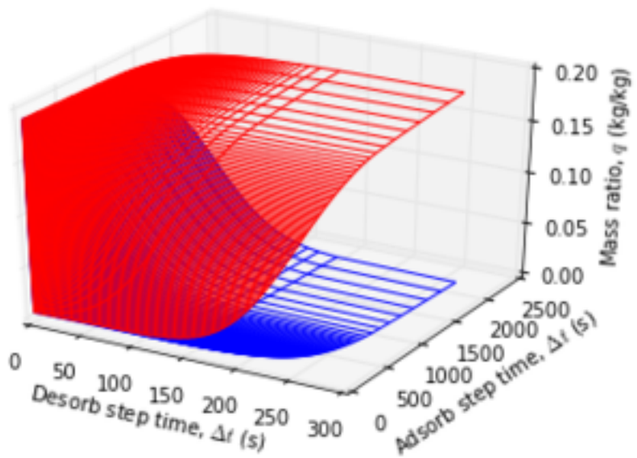

Cooling capacity, Q_{cool} (kW)
Adsorb step time, Δt (s)
Desorb step time, Δt (s)

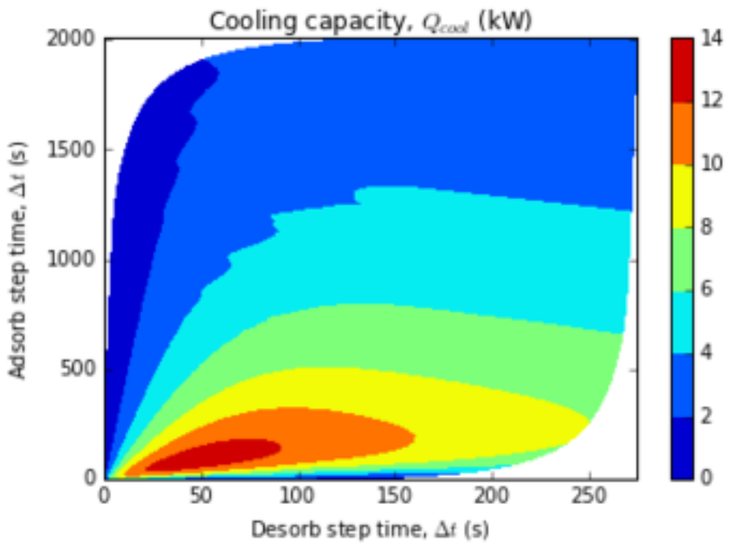

Q_{max} (kW)
COP
Cycle time (s)
Exhaust temperature, T (°C)

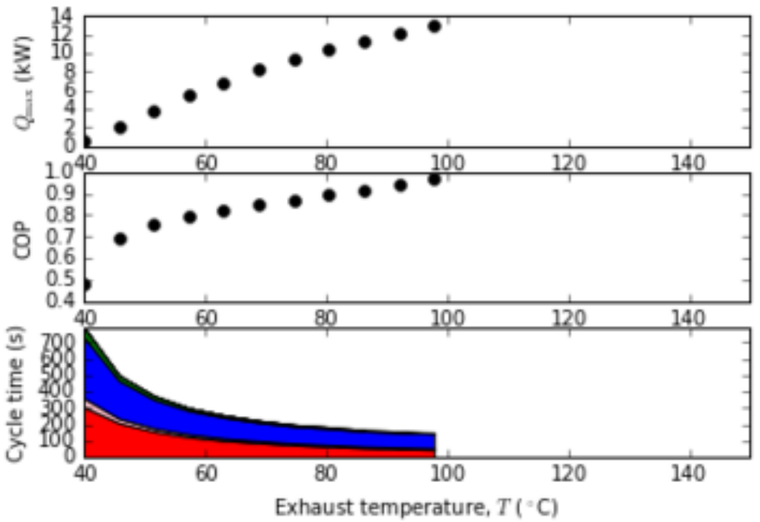

$T_{exhaust}$ = 370.895 K
Desorb
Adsorb
Compress
Decompress
Adsorbed mass ratio, q (kg/kg)
Integration time, t (s)

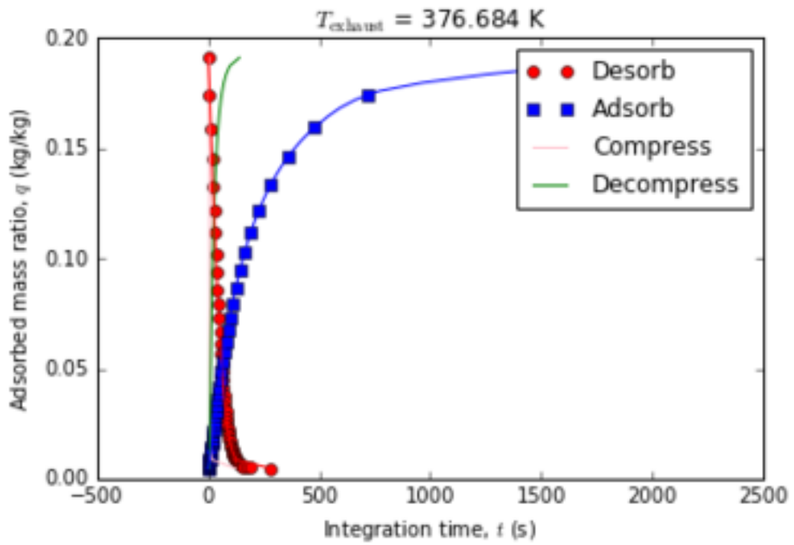

Cycle time, t_{cycle} (s)
High mass ratio, q_{high} (kg/kg)
Low mass ratio, q_{low} (kg/kg)

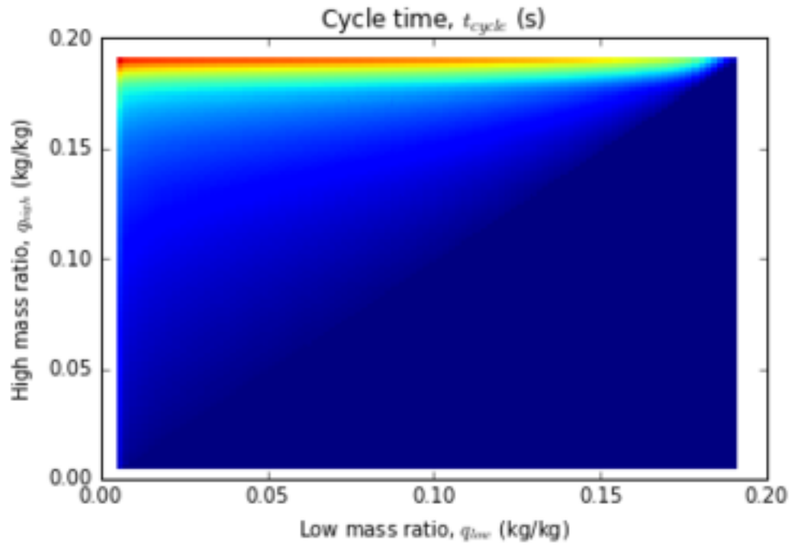

Desorption step fraction, t_{des}/t_{cycle}
High mass ratio, q_{high} (kg/kg)
Low mass ratio, q_{low} (kg/kg)

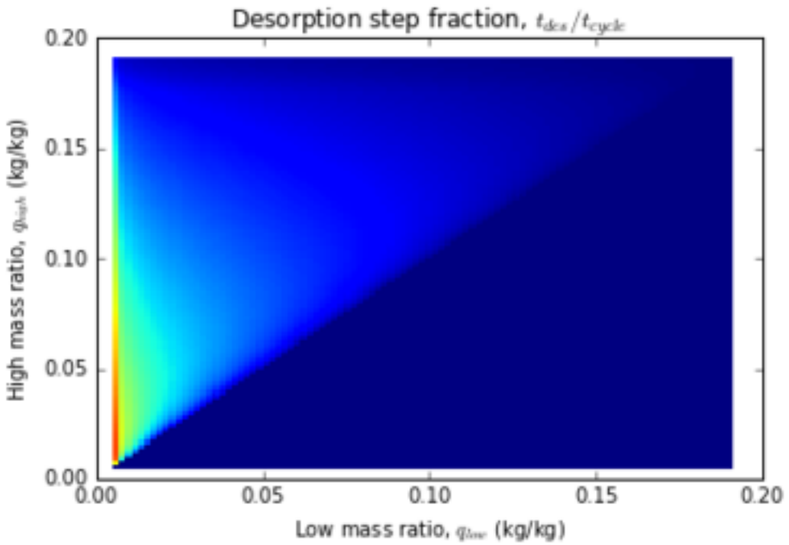

Mass ratio, q (kg/kg)
Desorb step time, Δt (s)
Adsorb step time, Δt (s)

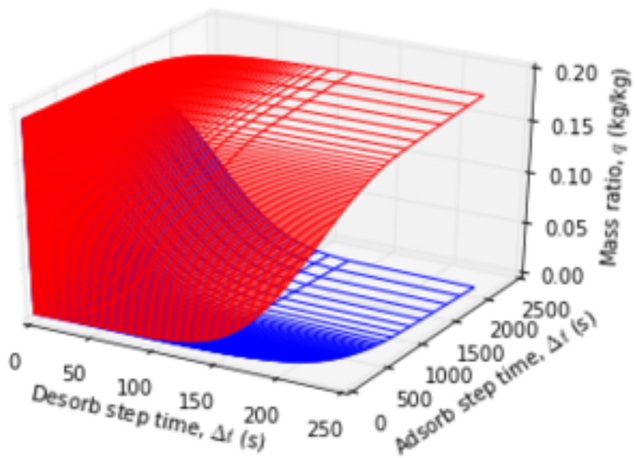

Cooling capacity, Q_{cool} (kW)
Adsorb step time, Δt (s)
Desorb step time, Δt (s)

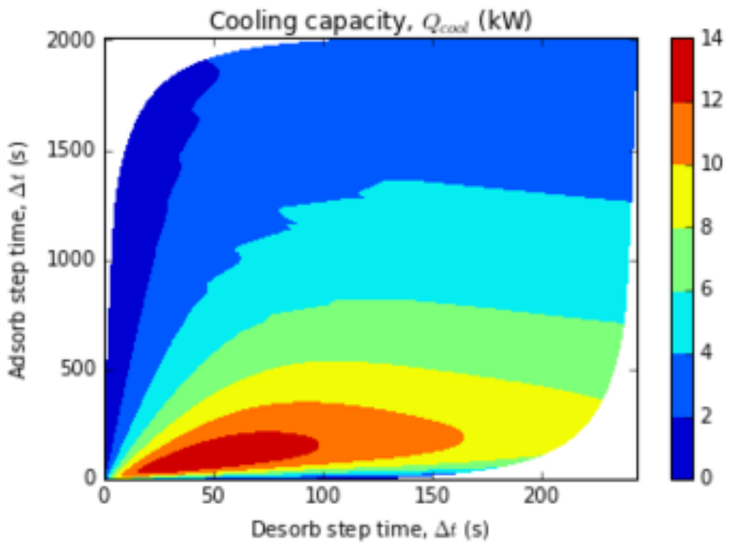

Q_{max} (kW)
COP
Cycle time (s)
Exhaust temperature, T (°C)

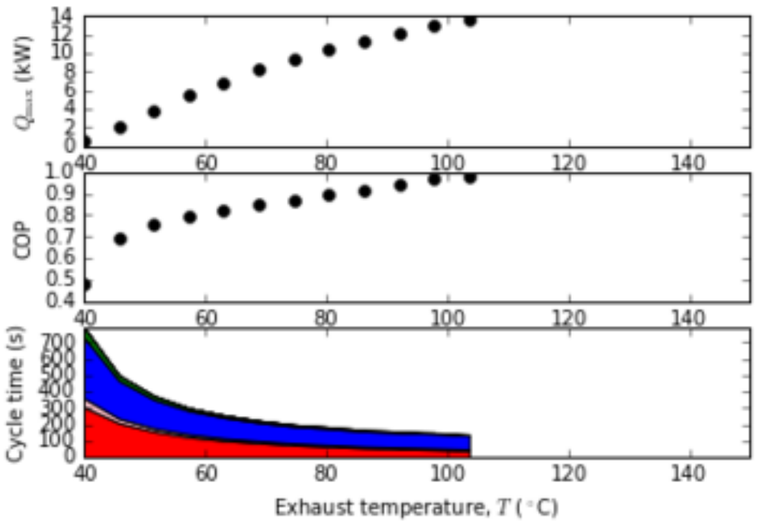

$T_{exhaust}$ = 376.684 K
Desorb
Adsorb
Compress
Decompress
Adsorbed mass ratio, q (kg/kg)
Integration time, t (s)

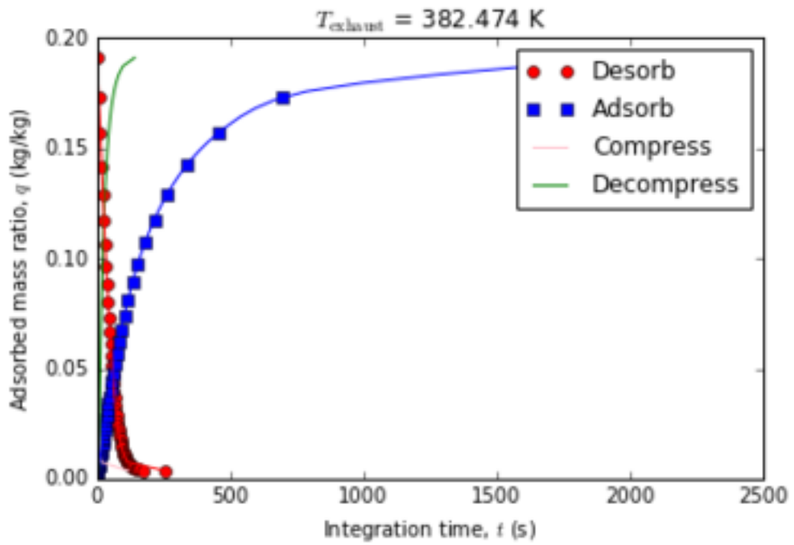

Cycle time, t_{cycle} (s)
High mass ratio, q_{high} (kg/kg)
Low mass ratio, q_{low} (kg/kg)

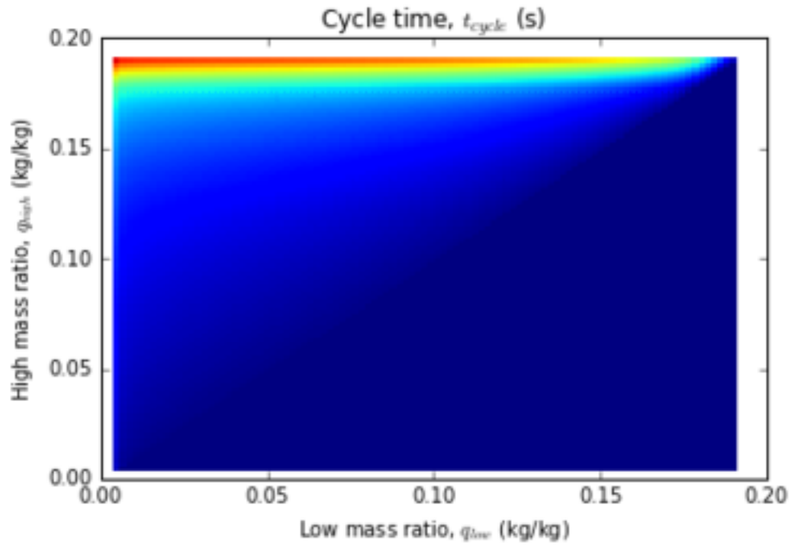

Desorption step fraction, t_{des}/t_{cycle}
High mass ratio, q_{high} (kg/kg)
Low mass ratio, q_{low} (kg/kg)

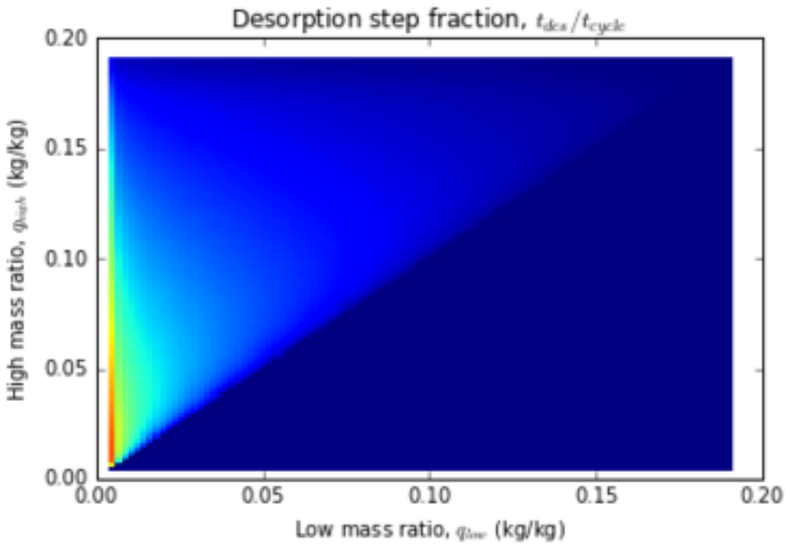

Mass ratio, q (kg/kg)
Desorb step time, Δt (s)
Adsorb step time, Δt (s)

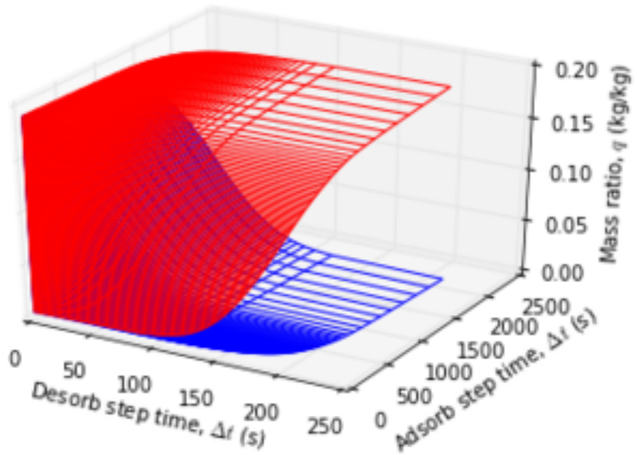

Cooling capacity, Q_{cool} (kW)
Adsorb step time, Δt (s)
Desorb step time, Δt (s)

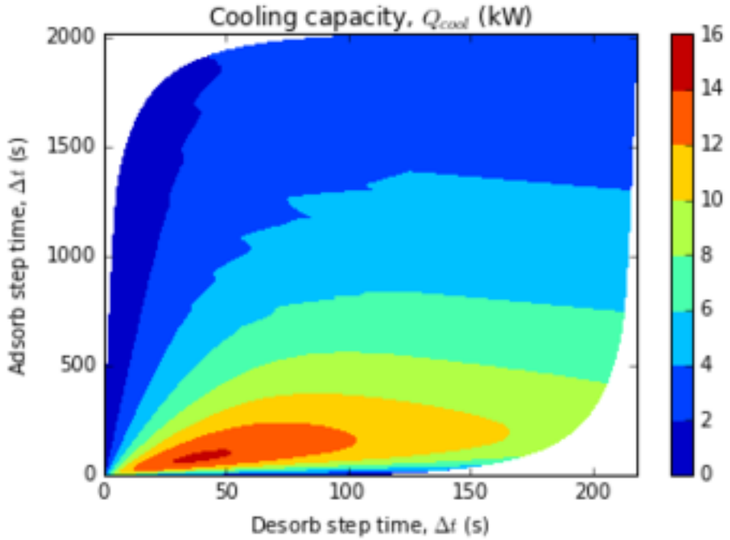

Q_{max} (kW)
COP
Cycle time (s)
Exhaust temperature, T (°C)

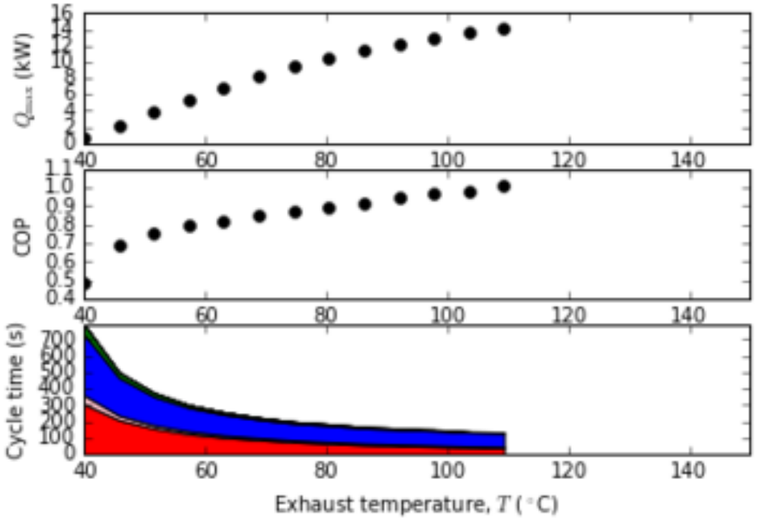

$T_{exhaust}$ = 382.474 K
Desorb
Adsorb
Compress
Decompress
Adsorbed mass ratio, q (kg/kg)
Integration time, t (s)

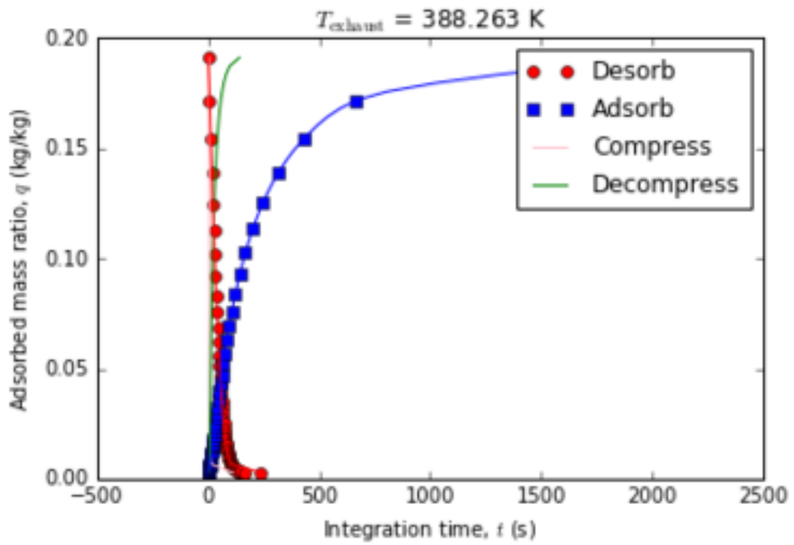

Cycle time, t_{cycle} (s)
High mass ratio, q_{high} (kg/kg)
Low mass ratio, q_{low} (kg/kg)

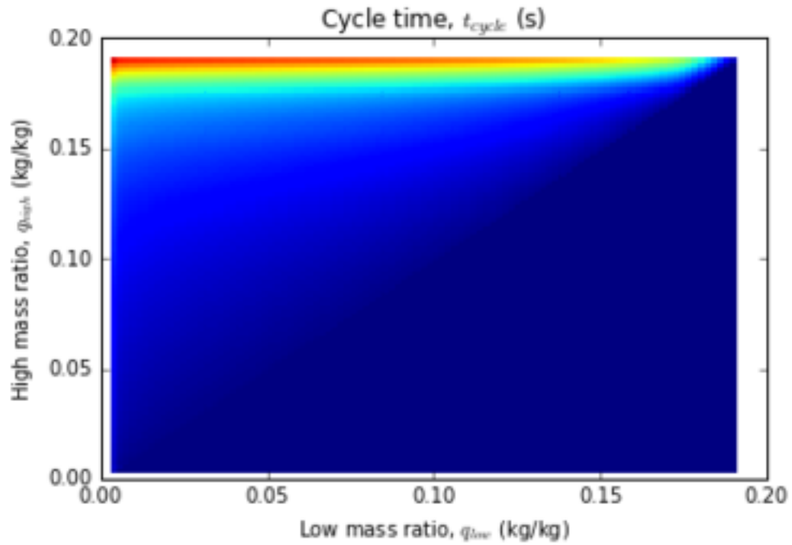

Desorption step fraction, t_{des}/t_{cycle}
High mass ratio, q_{high} (kg/kg)
Low mass ratio, q_{low} (kg/kg)

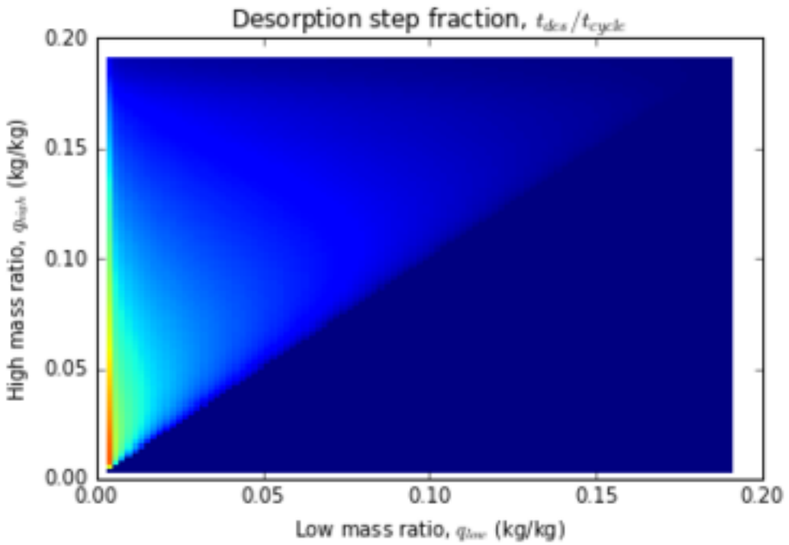

Mass ratio, q (kg/kg)
Desorb step time, Δt (s)
Adsorb step time, Δt (s)

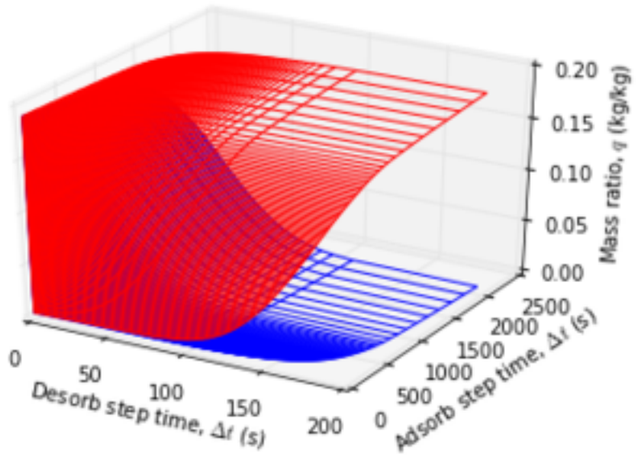

Cooling capacity, Q_{cool} (kW)
Adsorb step time, Δt (s)
Desorb step time, Δt (s)

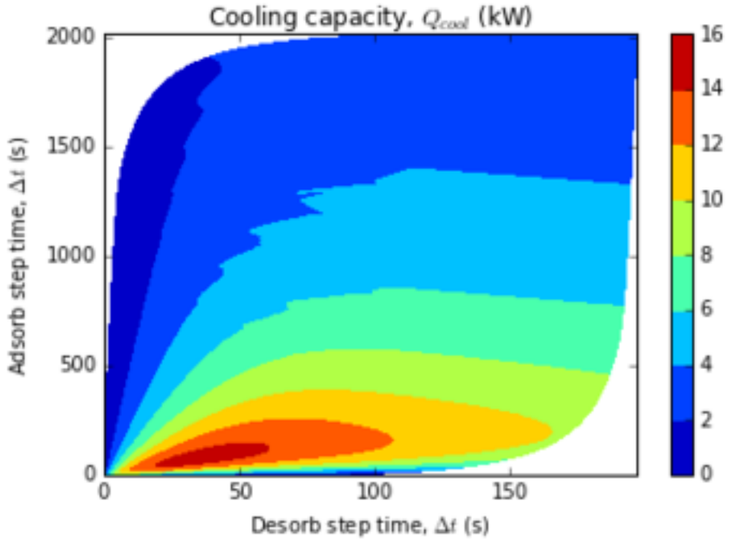

Q_{max} (kW)
COP
Cycle time (s)
Exhaust temperature, T (°C)

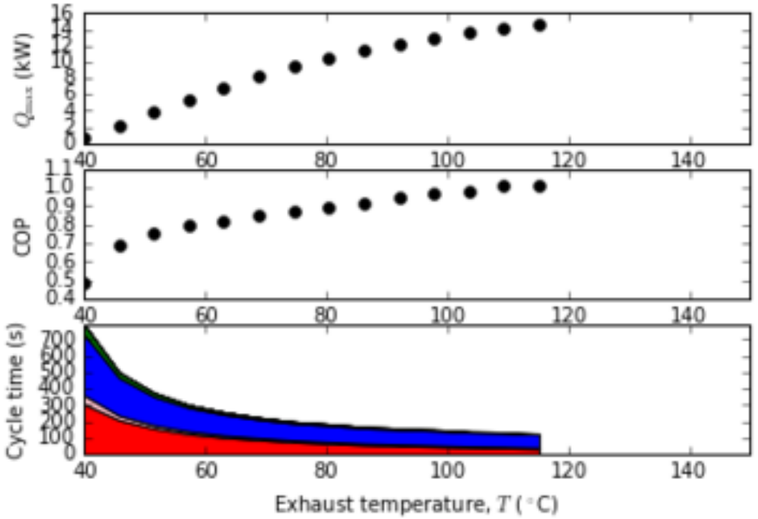

$T_{exhaust}$ = 388.263 K
Desorb
Adsorb
Compress
Decompress
Adsorbed mass ratio, q (kg/kg)
Integration time, t (s)

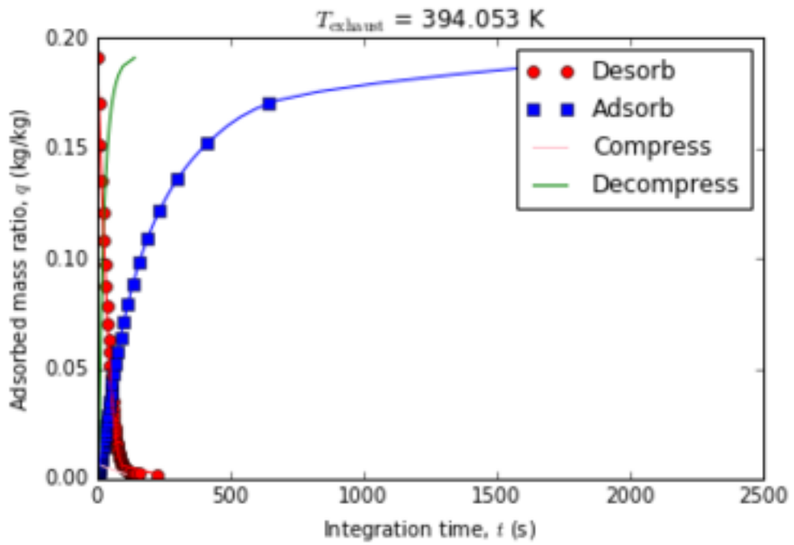

Cycle time, t_{cycle} (s)
High mass ratio, q_{high} (kg/kg)
Low mass ratio, q_{low} (kg/kg)

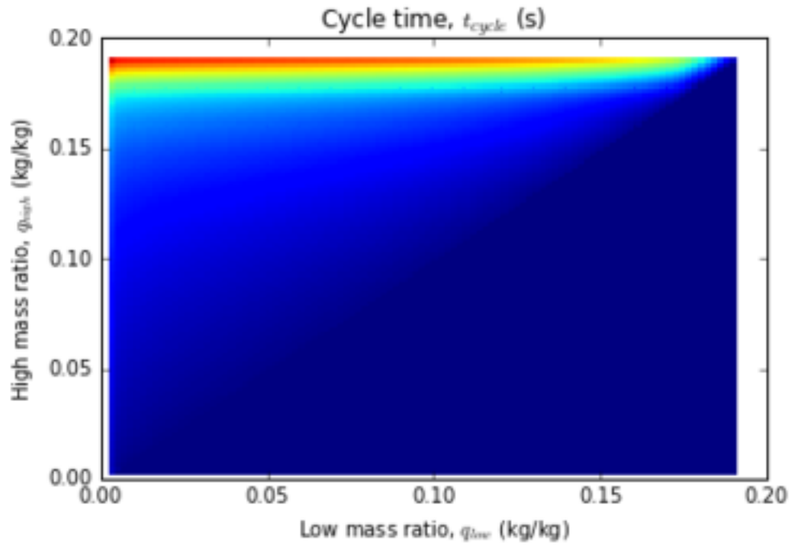

Desorption step fraction, t_{des}/t_{cycle}
High mass ratio, q_{high} (kg/kg)
Low mass ratio, q_{low} (kg/kg)

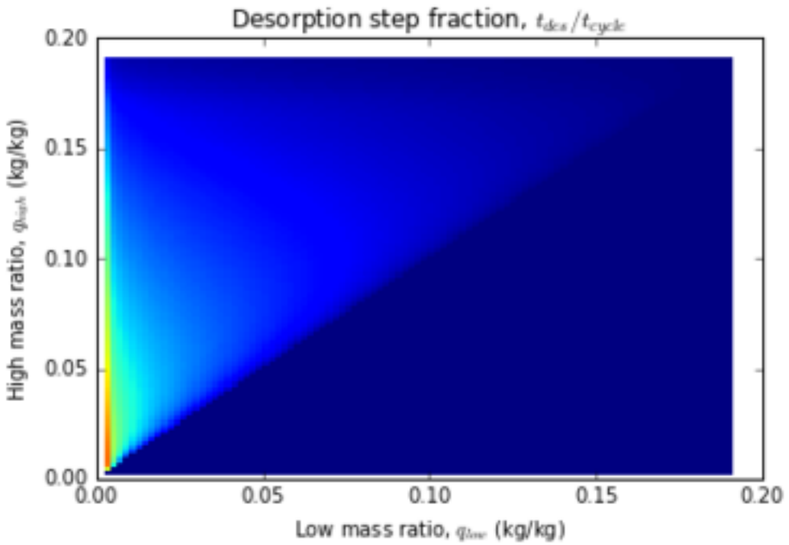

Mass ratio, q (kg/kg)
Desorb step time, Δt (s)
Adsorb step time, Δt (s)

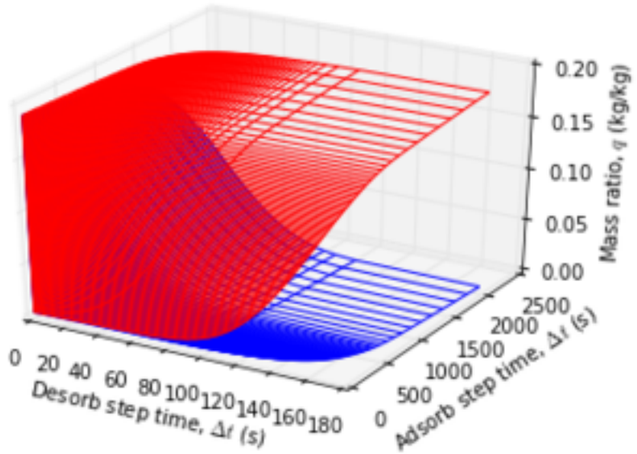

Cooling capacity, Q_{cool} (kW)
Adsorb step time, Δt (s)
Desorb step time, Δt (s)

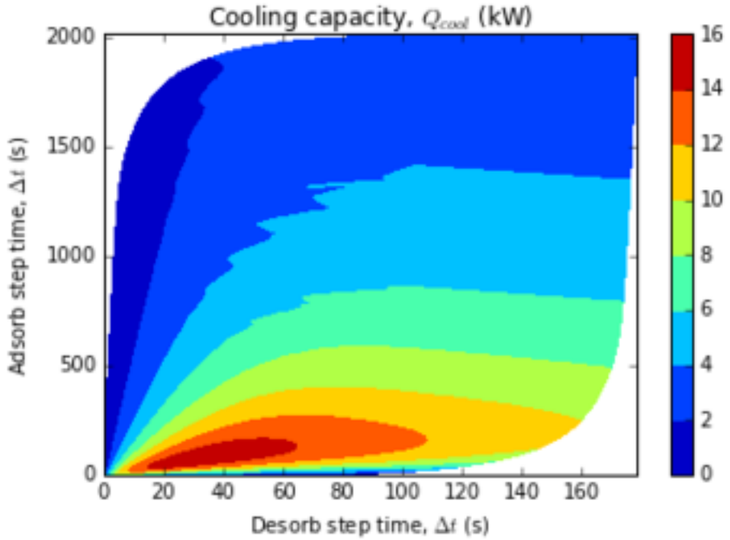

Q_{max} (kW)
COP
Cycle time (s)
Exhaust temperature, T (°C)

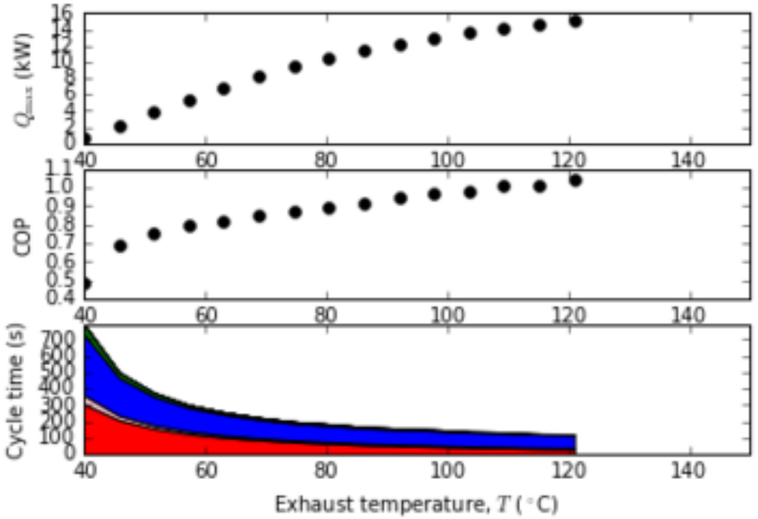

$T_{exhaust}$ = 394.053 K
Desorb
Adsorb
Compress
Decompress
Adsorbed mass ratio, q (kg/kg)
Integration time, t (s)

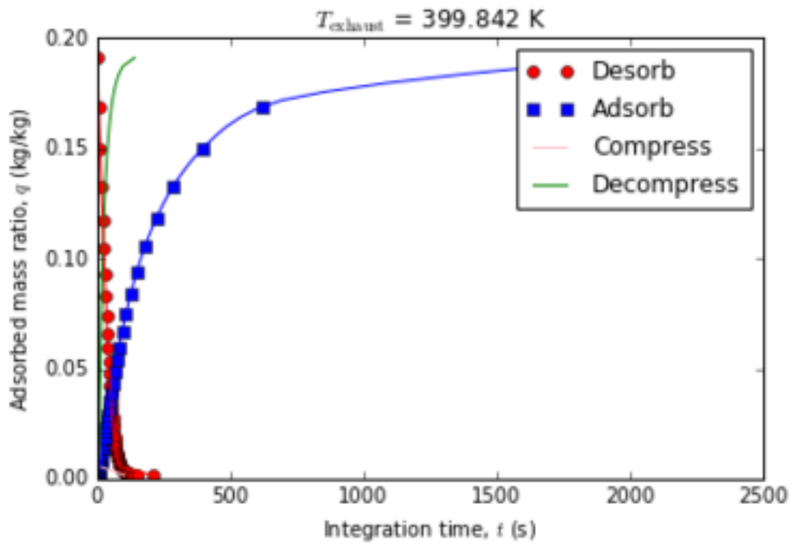

Cycle time, t_{cycle} (s)
High mass ratio, q_{high} (kg/kg)
Low mass ratio, q_{low} (kg/kg)

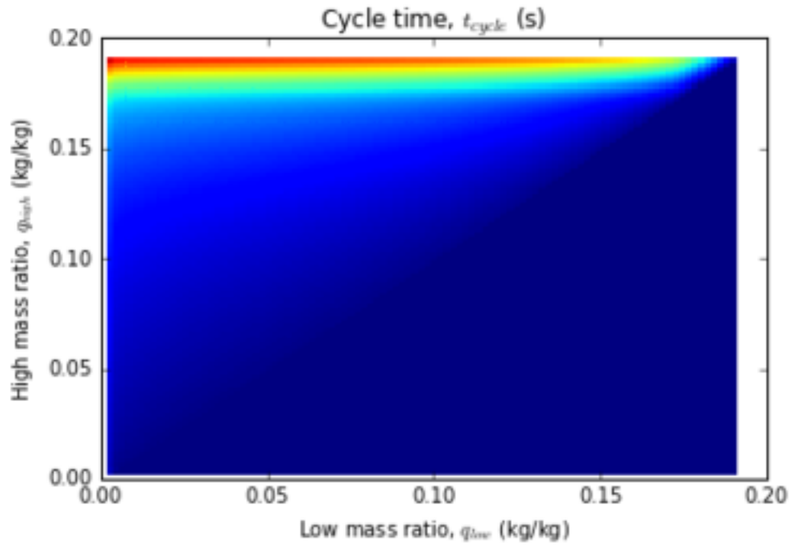

Desorption step fraction, t_{des}/t_{cycle}
High mass ratio, q_{high} (kg/kg)
Low mass ratio, q_{low} (kg/kg)

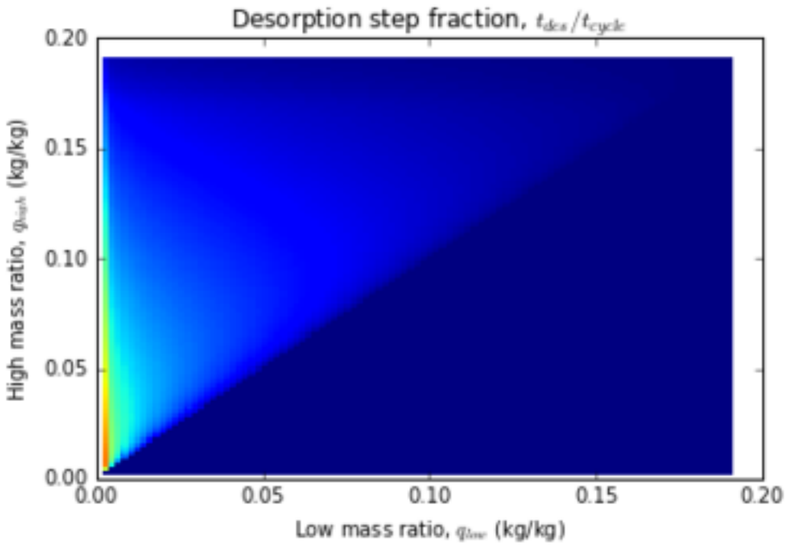

Mass ratio, q (kg/kg)
Desorb step time, Δt (s)
Adsorb step time, Δt (s)

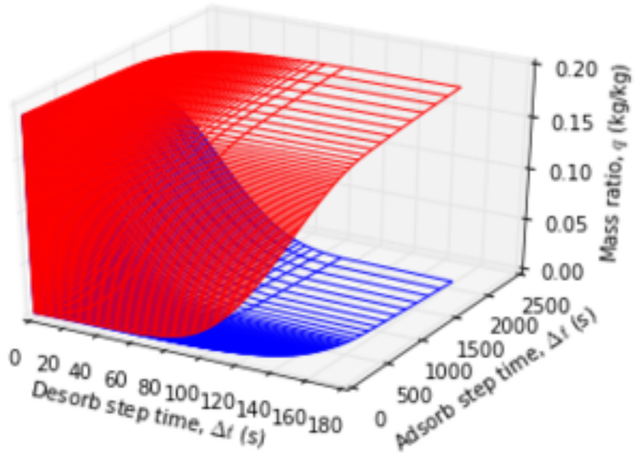

Cooling capacity, Q_{cool} (kW)
Adsorb step time, Δt (s)
Desorb step time, Δt (s)

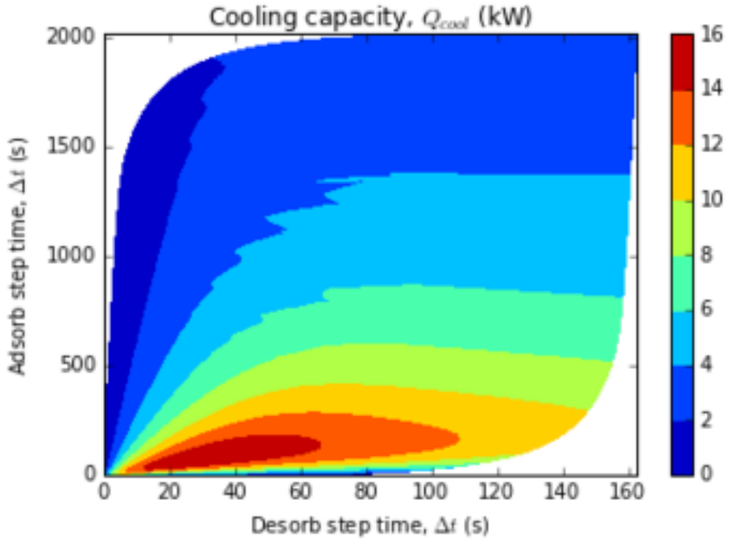

Q_{max} (kW)
COP
Cycle time (s)
Exhaust temperature, T (°C)

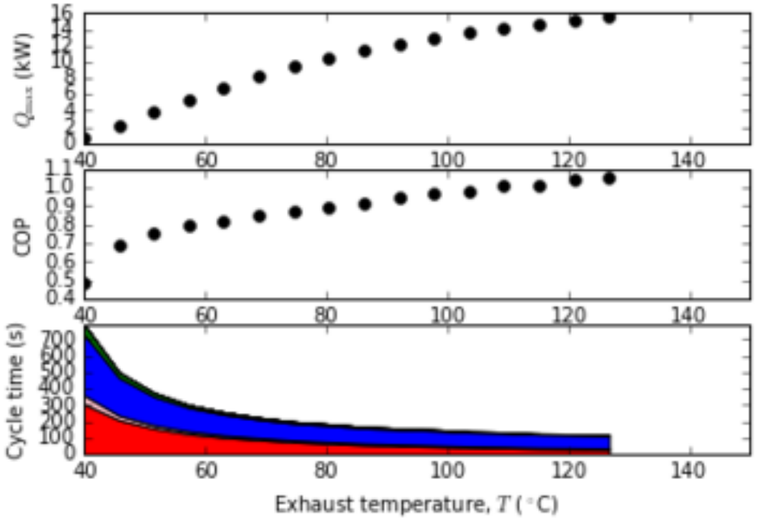

$T_{exhaust}$ = 399.842 K
Desorb
Adsorb
Compress
Decompress
Adsorbed mass ratio, q (kg/kg)
Integration time, t (s)

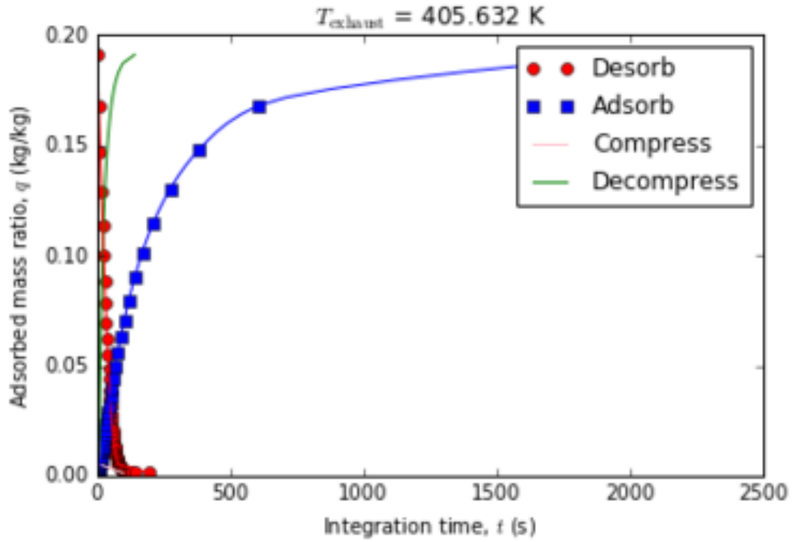

Cycle time, t_{cycle} (s)
High mass ratio, q_{high} (kg/kg)
Low mass ratio, q_{low} (kg/kg)

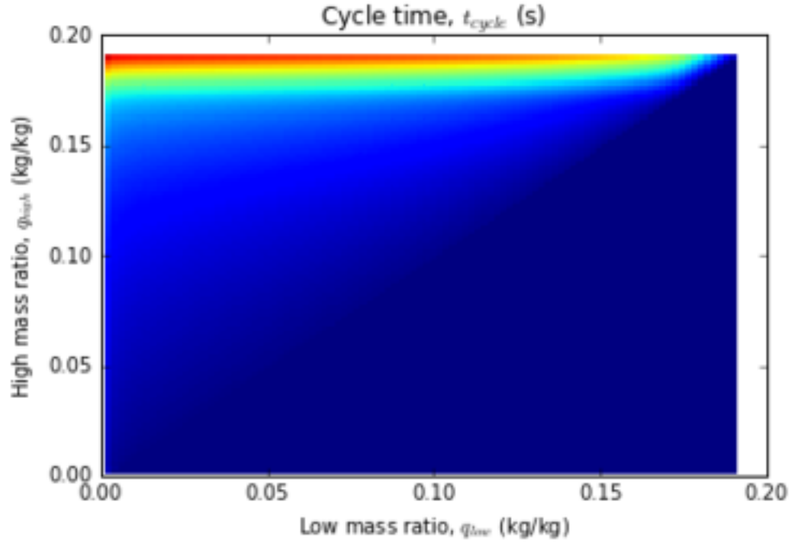

Desorption step fraction, t_{des}/t_{cycle}
High mass ratio, q_{high} (kg/kg)
Low mass ratio, q_{low} (kg/kg)

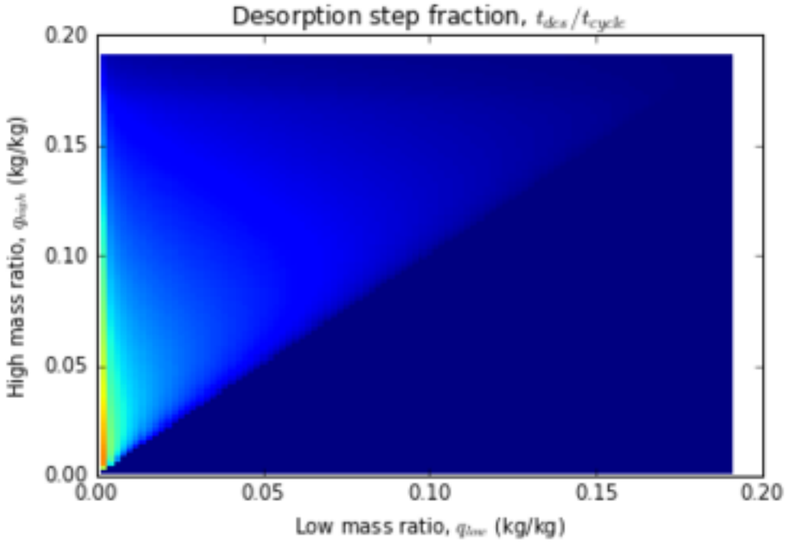

Mass ratio, q (kg/kg)
Desorb step time, Δt (s)
Adsorb step time, Δt (s)

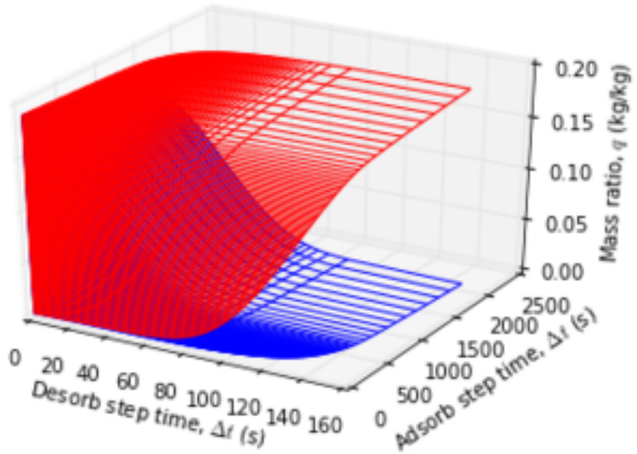

Cooling capacity, Q_{cool} (kW)
Adsorb step time, Δt (s)
Desorb step time, Δt (s)

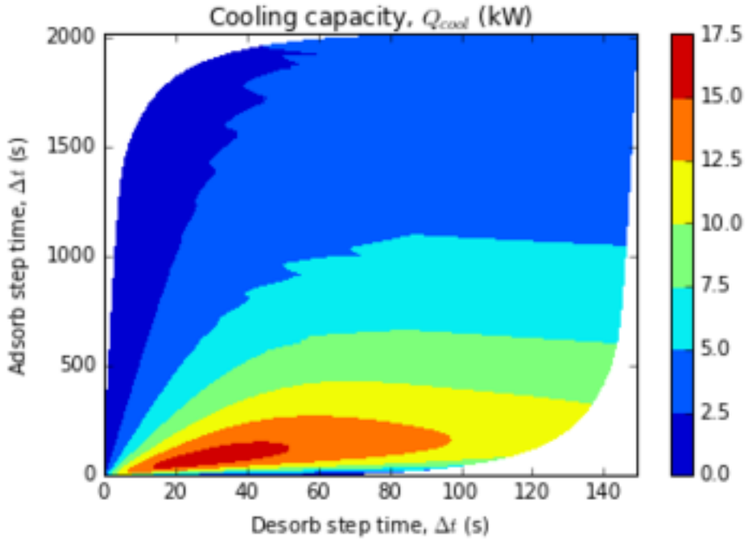

Q_{max} (kW)
COP
Cycle time (s)
Exhaust temperature, T (°C)

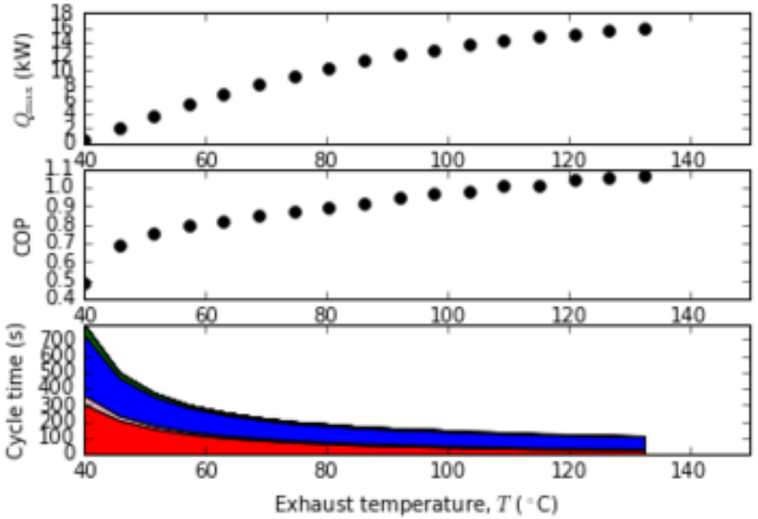

$T_{exhaust}$ = 405.632 K
Desorb
Adsorb
Compress
Decompress
Adsorbed mass ratio, q (kg/kg)
Integration time, t (s)

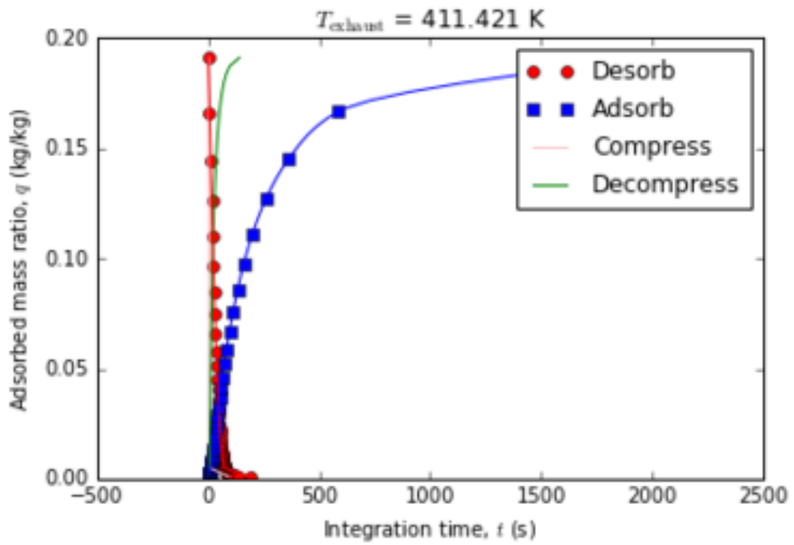

Cycle time, t_{cycle} (s)
High mass ratio, q_{high} (kg/kg)
Low mass ratio, q_{low} (kg/kg)

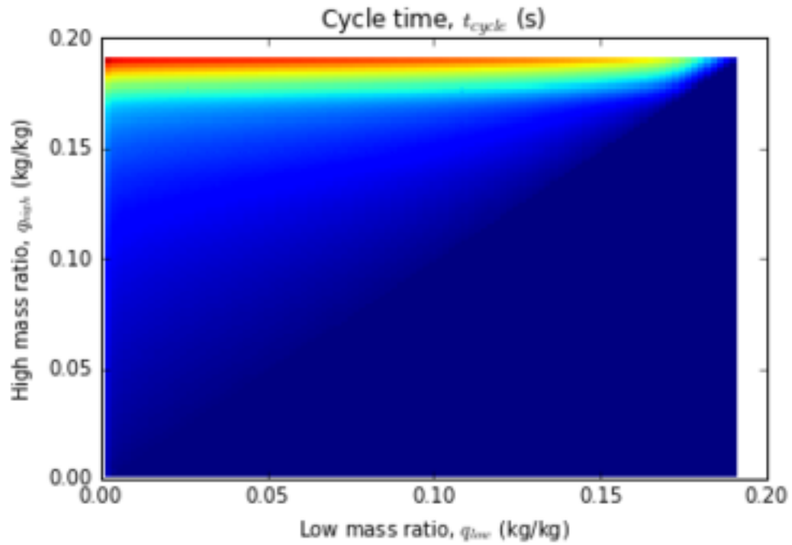

Desorption step fraction, t_{des}/t_{cycle}
High mass ratio, q_{high} (kg/kg)
Low mass ratio, q_{low} (kg/kg)

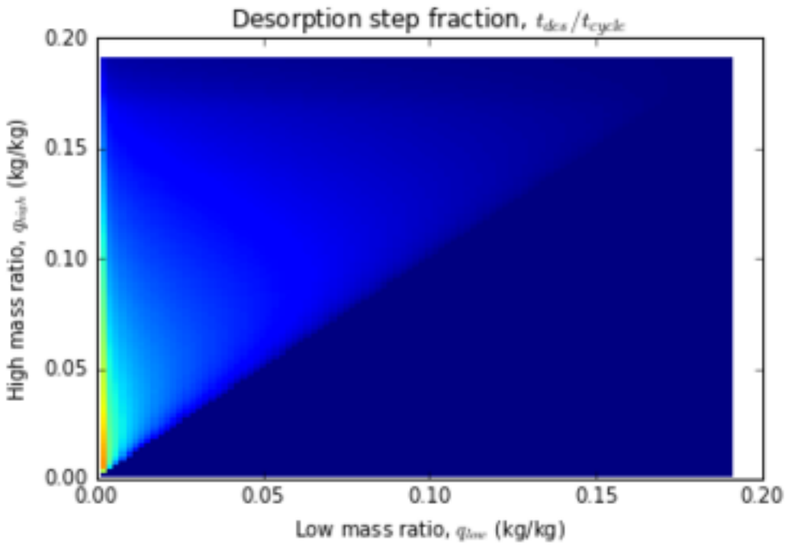

Mass ratio, q (kg/kg)
Desorb step time, Δt (s)
Adsorb step time, Δt (s)

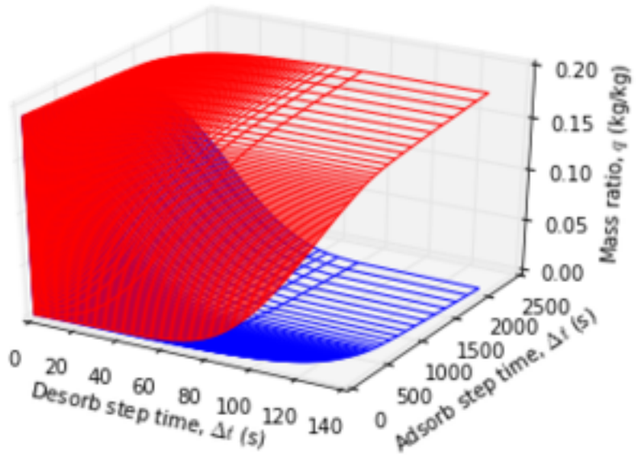

Cooling capacity, Q_{cool} (kW)
Adsorb step time, Δt (s)
Desorb step time, Δt (s)

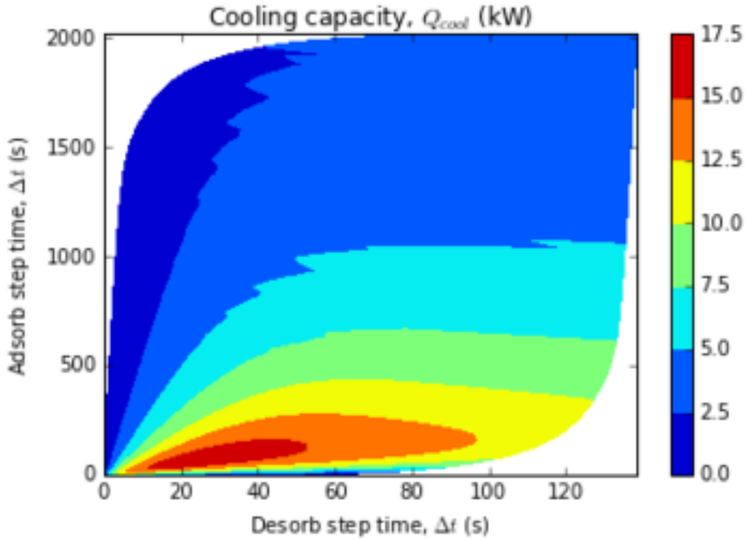

Q_{max} (kW)
COP
Cycle time (s)
Exhaust temperature, T (°C)

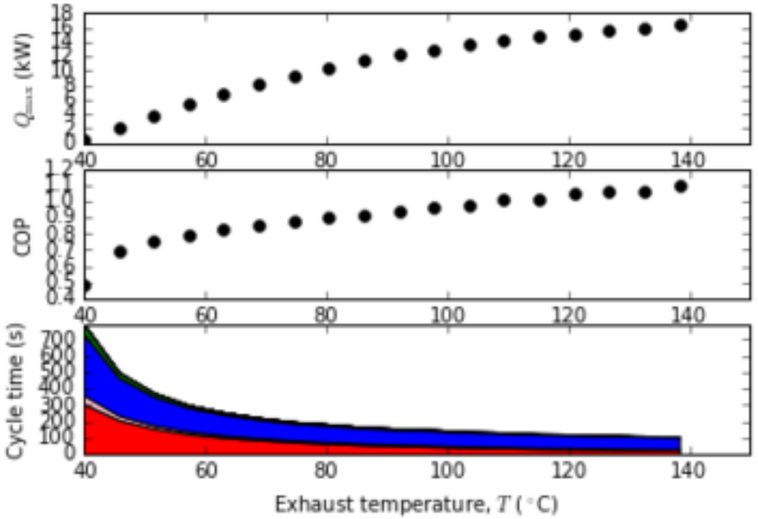

$T_{exhaust}$ = 411.421 K
Desorb
Adsorb
Compress
Decompress
Adsorbed mass ratio, q (kg/kg)
Integration time, t (s)

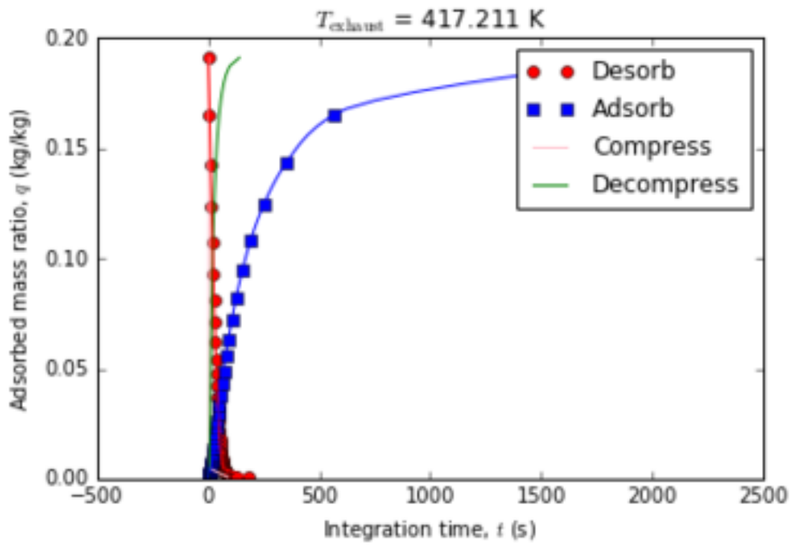

Cycle time, t_{cycle} (s)
High mass ratio, q_{high} (kg/kg)
Low mass ratio, q_{low} (kg/kg)

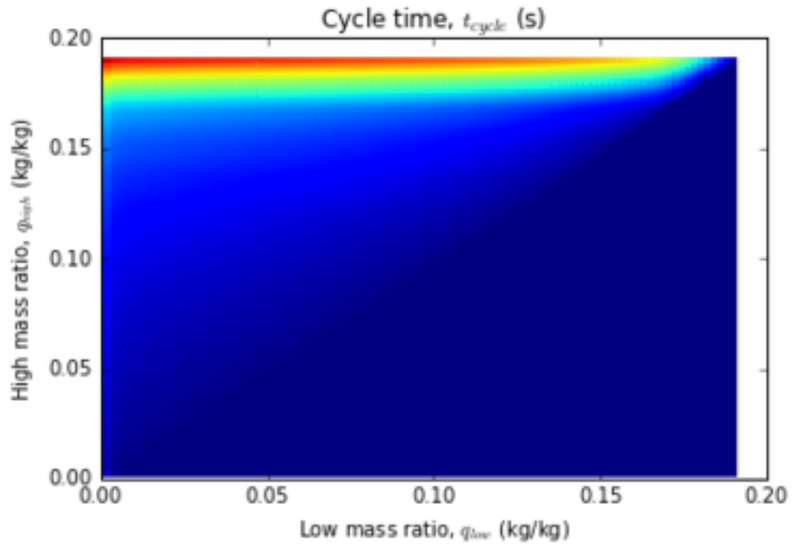

Desorption step fraction, t_{des}/t_{cycle}
High mass ratio, q_{high} (kg/kg)
Low mass ratio, q_{low} (kg/kg)

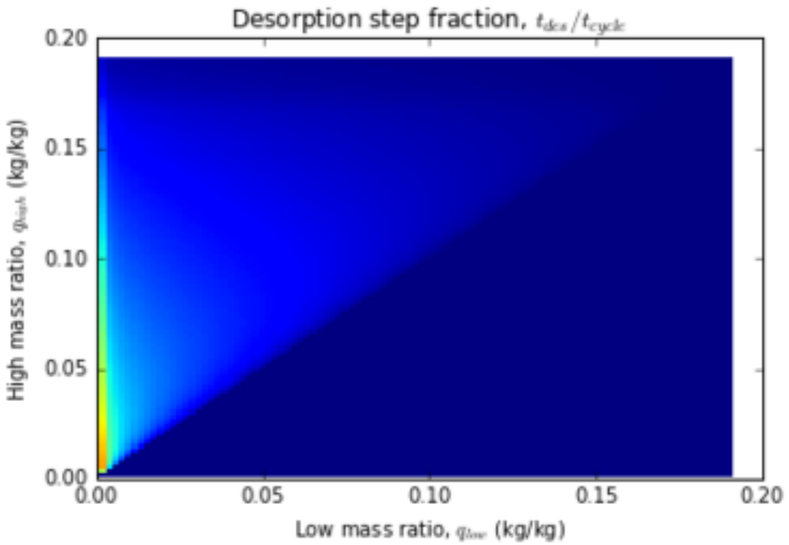

Mass ratio, q (kg/kg)
Desorb step time, Δt (s)
Adsorb step time, Δt (s)

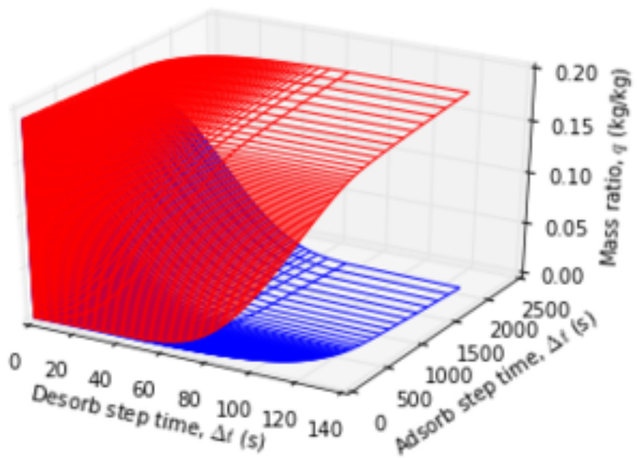

Cooling capacity, Q_{cool} (kW)
Adsorb step time, Δt (s)
Desorb step time, Δt (s)

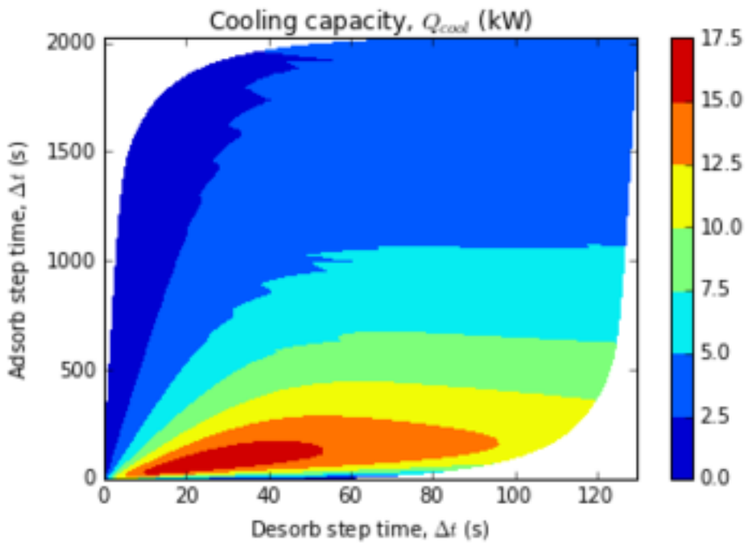

Q_{max} (kW)
COP
Cycle time (s)
Exhaust temperature, T (°C)

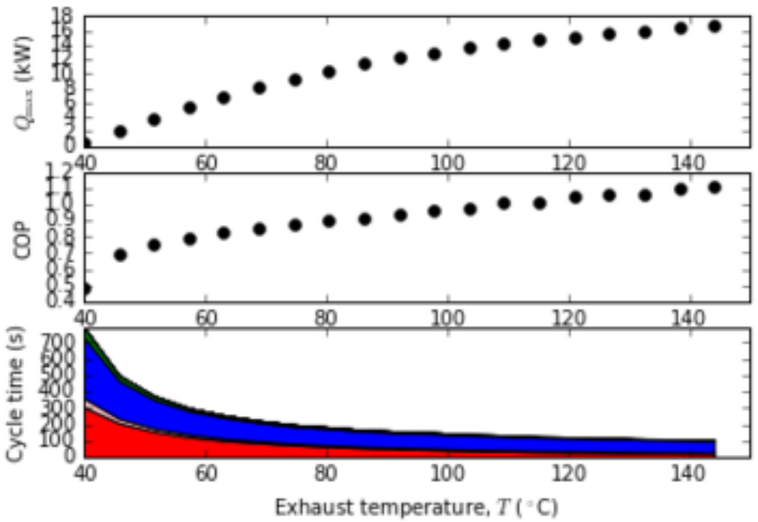

$T_{exhaust}$ = 417.211 K
Desorb
Adsorb
Compress
Decompress
Adsorbed mass ratio, q (kg/kg)
Integration time, t (s)

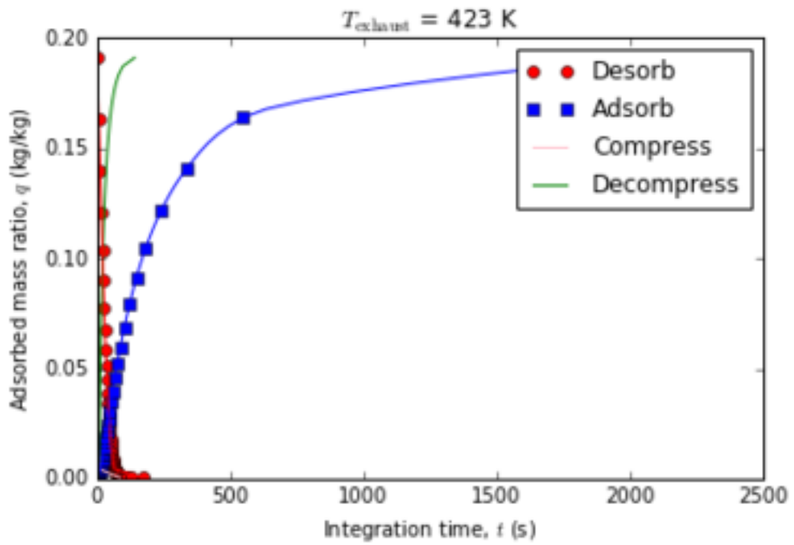

Cycle time, t_{cycle} (s)
High mass ratio, q_{high} (kg/kg)
Low mass ratio, q_{low} (kg/kg)

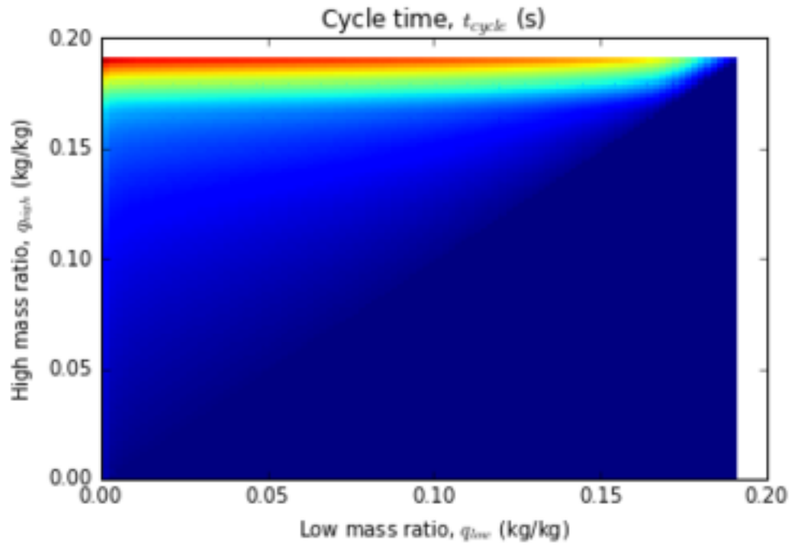

Desorption step fraction, t_{des}/t_{cycle}
High mass ratio, q_{high} (kg/kg)
Low mass ratio, q_{low} (kg/kg)

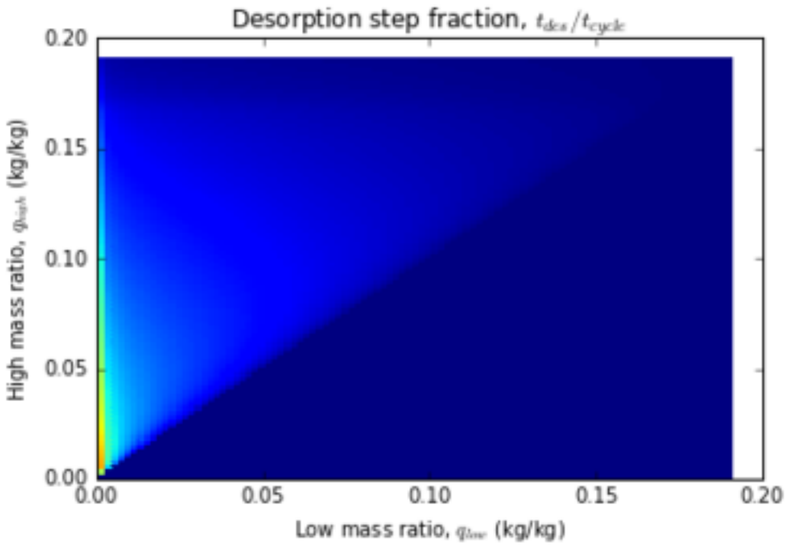

Mass ratio, q (kg/kg)
Desorb step time, Δt (s)
Adsorb step time, Δt (s)

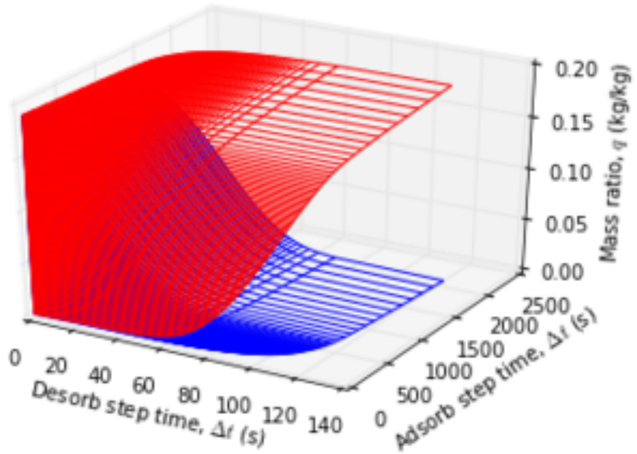

Cooling capacity, Q_{cool} (kW)
Adsorb step time, Δt (s)
Desorb step time, Δt (s)

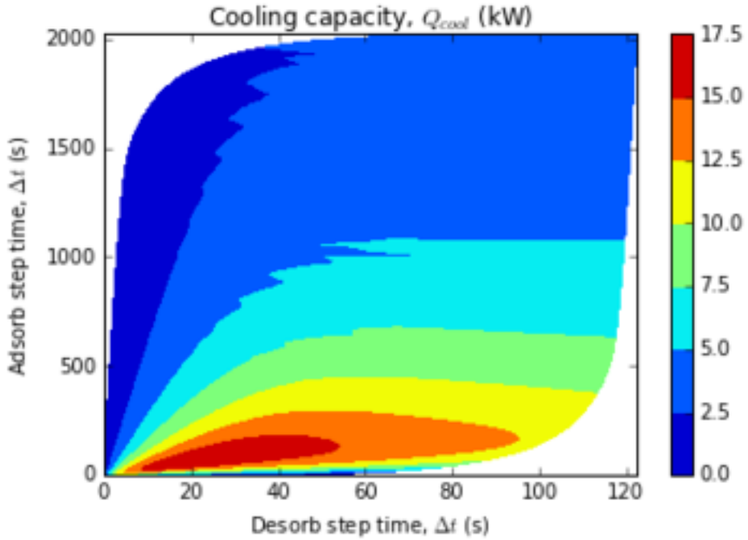

Q_{max} (kW)
COP
Cycle time (s)
Exhaust temperature, T (°C)

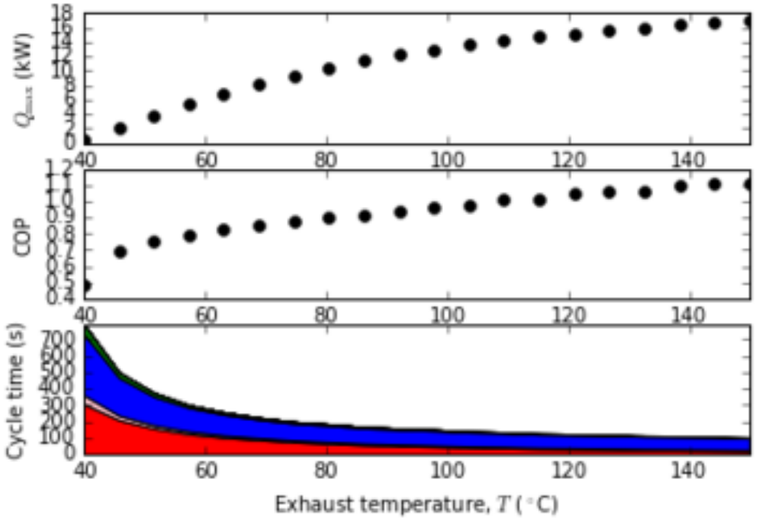

$T_{exhaust}$ = 423 K
Desorb
Adsorb
Compress
Decompress
Adsorbed mass ratio, q (kg/kg)
Integration time, t (s)


Cycle time, t_{cycle} (s)
High mass ratio, q_{high} (kg/kg)
Low mass ratio, q_{low} (kg/kg)


Desorption step fraction, t_{des}/t_{cycle}
High mass ratio, q_{high} (kg/kg)
Low mass ratio, q_{low} (kg/kg)


Mass ratio, q (kg/kg)
Desorb step time, Δt (s)
Adsorb step time, Δt (s)


Cooling capacity, Q_{cool} (kW)
Adsorb step time, Δt (s)
Desorb step time, Δt (s)


Q_{max} (kW)
COP
Cycle time (s)
Exhaust temperature, T (°C)