

1. menu bar

3. sub-tabs

File Help

Setup

Results

Parameters

Mixture composition

Custom Figures

2. tabs

8. parameters

9. numerical error

Epsilon (method)

4.9708e-05

4. tree

▼ Results

▼ Problem Type:HP

▼ Reactants:Acetylene + Air

▼ List Products:Soot formation Extended

Case 1

Case 2

Case 3

Case 4

Case 5

6. report window

Solving HP problem... Done! check tab "Results"

Elapsed time is 1.6233 seconds

5. command window

>>

7. lamp

Reactants	phi	Products
300	0.5	1777
1	Temperature [K]	1
1.152	Pressure [bar]	0.1985
322	Density [kg/m3]	322
235.2	Enthalpy [kJ/kg]	-181.8
6.974	Internal energy [kJ/kg]	8.902
1.036	Entropy [kJ/(kg K)]	1.354
1.387	Specific heat cp [kJ/(kg K)]	1.266
28.74	Adiabatic index [-]	29.32
347	Mean Molecular Weight [g/mol]	798.6
	Sound speed [m/s]	