

1. menu bar

2. tabs

3. sub-tabs

4. data visualization area

5. command window

6. dialog box

7. lamp

8. data visualization area

9. tree

File Help

Setup

Results

Parameters

Mixture composition

Custom Figures

phi

0.5

Reactants

Products

Species	N° moles	Mole fraction	Species	N° moles	Mole fraction
N2	18.8095	0.7582	N2	1.8777e+01	7.7233e-01
O2	5.0000	0.2015	O2	2.4657e+00	1.0142e-01
C2H2_acetylene	1.0000	0.0403	CO2	1.9990e+00	8.2220e-02
			H2O	9.9539e-01	4.0941e-02
			NO	6.4191e-02	2.6402e-03
			OH	8.9240e-03	3.6705e-04
			CO	1.0109e-03	4.1579e-05
			O	7.5408e-04	3.1016e-05
			H2	1.3509e-04	5.5563e-06
			NO2	1.1847e-04	4.8727e-06
			H	1.6873e-05	6.9399e-07
			HO2	9.6753e-06	3.9795e-07
			N2O	3.6756e-06	1.5118e-07
			H2O2	2.5896e-07	1.0651e-08
			HNO	4.9076e-08	2.0185e-09

▼ Results

▼ Problem Type:HP

▼ Reactants:Acetylene + Air

▼ List Products:Soot formation Extended

Case 1

Case 2

Case 3

Case 4

Case 5

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

Elapsed time is 0.473101 seconds

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(a)

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▼ Mixture

strR_Fuel

strR_Oxidizer

strR

strP

mi

p

phase

phi

rho

S0

T

W

Xi

Yi

Settings

Default settings

Maximize

Plot

Clear

Temperature [K]

Equivalence ratio

▼ Results

▼ Problem Type:HP

▼ Reactants:Acetylene + Air

▼ List Products:Soot formation Extended

Case 1

Case 2

Case 3

Case 4

Case 5

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

Elapsed time is 0.473101 seconds

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(b)