



Simulation 1.apw - Aspen Plus V8.6 - aspenONE

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Properties

Components - Specifications

Select components:

Component ID	Type	Component name	Alias
WATER	Conventional	WATER	H2O
DIMET-01	Conventional	DIMETHYL-ETHER	C2H6O-1
METHA-01	Conventional	METHANOL	CH4O

Find Elec Wizard User Defined Reorder Review

Required Input Incomplete Check Status

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Simulation

Main Flowsheet R-1 (POWERLAW) - Input 3 (MATERIAL) Results Summary - Streams

Stoichiometry Kinetic Equilibrium Activity Information

1) HYDRO-01(MIXED) + TOLUE-01(MIXED) --> METHA-01(MIXED)

Reacting phase: Vapor Rate basis: Reac (vol)

Power Law kinetic expression

If To is specified: Kinetic factor $= k(T/T_o)^n e^{-(E/R)(1/T - 1/T_o)}$

If To is not specified: Kinetic factor $= kT^n e^{-E/RT}$

Edit Reactions Solids

k: 2.83333e+07

n: 1

E: 8997 cal/mol

To: 655 C

[C] basis: Molarity

Model Palette

Mixers/Splitters Separators Exchangers Columns Reactors Pressure Changers Manipulators Solids Solids Separators User Models

Material Mixer FSplit SSplit

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