SEQUENCERUN_2025-02-27_1209/graphs/pdf/rates.pdf

Legend:
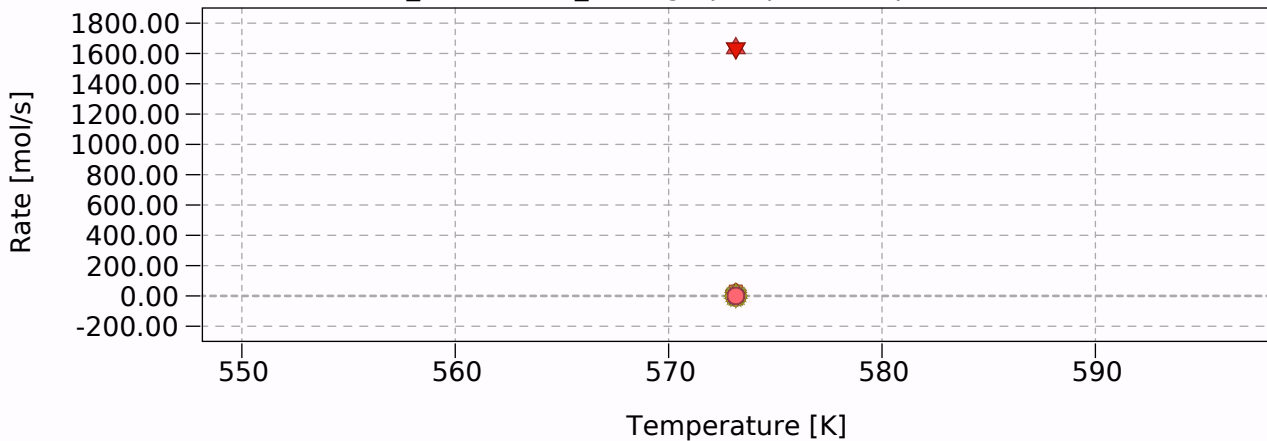
△ CO2 + * -> CO2*	▽ CO2 + * <- CO2*
◆ CO + * -> CO*	■ CO + * <- CO*
⬠ H2 + 2 * -> 2 H*	⬠ H2 + 2 * <- 2 H*
⬡ H2O + * -> H2O*	⬡ H2O + * <- H2O*
⬡ CO2* + * -> CO* + O*	✦ CO2* + * <- CO* + O*
✦ CO2* + H* -> HCOO* + *	✦ CO2* + H* <- HCOO* + *
✦ CO2* + H* -> COOH* + *	✦ CO2* + H* <- COOH* + *
✦ CO2* + OH* -> COOH* + O*	○ CO2* + OH* <- COOH* + O*
○ CO2* + H2O* -> COOH* + OH*	○ CO2* + H2O* <- COOH* + OH*
○ CO2* + OH* -> HCOO* + O*	○ CO2* + OH* <- HCOO* + O*
○ CO2* + H2O* -> HCOO* + OH*	○ CO2* + H2O* <- HCOO* + OH*
○ COOH* + * -> CO* + OH*	○ COOH* + * <- CO* + OH*
● COOH* + * -> COH* + O*	○ COOH* + * <- COH* + O*
● HCOO* + * -> O* + HCO*	● HCOO* + * <- O* + HCO*
● CO* + * -> C* + O*	● CO* + * <- C* + O*
○ HCO* + * -> CO* + H*	○ HCO* + * <- CO* + H*
○ HCO* + * -> CH* + O*	○ HCO* + * <- CH* + O*
○ COH* + * -> CO* + H*	● COH* + * <- CO* + H*
○ COH* + * -> C* + OH*	○ COH* + * <- C* + OH*
○ C* + H* -> CH* + *	○ C* + H* <- CH* + *
○ CH* + H* -> CH2* + *	○ CH* + H* <- CH2* + *
○ CH2* + H* -> CH3* + *	○ CH2* + H* <- CH3* + *
○ HCO* + H* -> CH2O* + *	○ HCO* + H* <- CH2O* + *
○ HCO* + H* -> HCOH* + *	○ HCO* + H* <- HCOH* + *
○ COH* + H* -> HCOH* + *	○ COH* + H* <- HCOH* + *
● HCOH* + * -> CH* + OH*	○ HCOH* + * <- CH* + OH*
● HCOH* + H* -> CH2OH* + *	○ HCOH* + H* <- CH2OH* + *
● CH2OH* + * -> CH2* + OH*	● CH2OH* + * <- CH2* + OH*
● CH2OH* + H* -> CH3OH* + *	● CH2OH* + H* <- CH3OH* + *
● CH2O* + H* -> CH2OH* + *	● CH2O* + H* <- CH2OH* + *
● CH2O* + * -> CH2* + O*	● CH2O* + * <- CH2* + O*
● CH2O* + H* -> CH3O* + *	● CH2O* + H* <- CH3O* + *
● CH3O* + * -> CH3* + O*	● CH3O* + * <- CH3* + O*
● CH3O* + H* -> CH3OH* + *	● CH3O* + H* <- CH3OH* + *
● CH3OH* + * -> CH3* + OH*	● CH3OH* + * <- CH3* + OH*
● O* + H* -> OH* + *	● O* + H* <- OH* + *
● OH* + H* -> H2O* + *	● OH* + H* <- H2O* + *
● OH* + OH* -> O* + H2O*	● OH* + OH* <- O* + H2O*
● CH4 + 2 * -> CH3* + H*	● CH4 + 2 * <- CH3* + H*
● CH3OH + * -> CH3OH*	● CH3OH + * <- CH3OH*
● CH2O + * -> CH2O*	● CH2O + * <- CH2O*