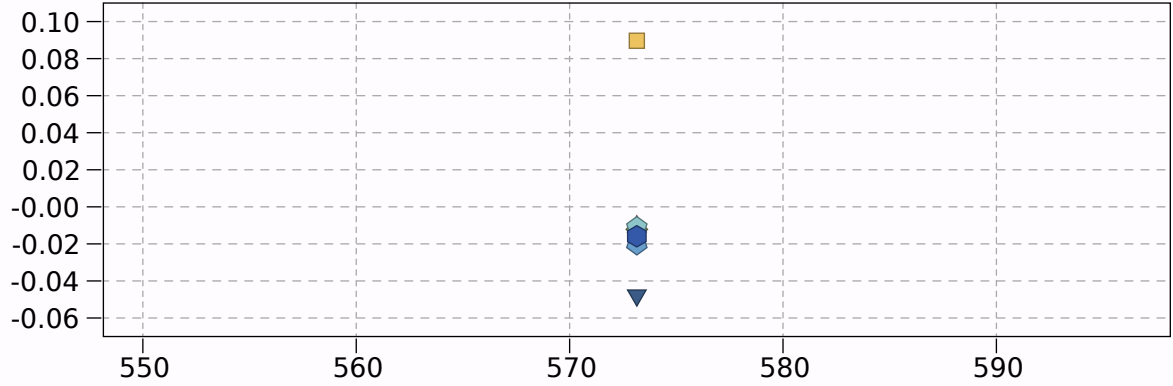




Degree of selectivity control [-]

SEQUENCERUN\_2025-02-28\_1145/graphs/pdf/dsc\_line\_species\_balance\_CH4.pdf



- $\text{CO}_2 + * \rightleftharpoons \text{CO}_2^*$
- $\text{CO}_2^* + \text{OH}^* \rightleftharpoons \text{HCOO}^* + \text{O}^*$
- $\text{HCO}^* + \text{H}^* \rightleftharpoons \text{HCOH}^* + *$
- $\text{OH}^* + \text{H}^* \rightleftharpoons \text{H}_2\text{O}^* + *$
- $\text{CO}_2^* + * \rightleftharpoons \text{CO}^* + \text{O}^*$
- $\text{HCO}^* + * \rightleftharpoons \text{CH}^* + \text{O}^*$
- $\text{CH}_2\text{O}^* + \text{H}^* \rightleftharpoons \text{CH}_2\text{OH}^* + *$