

## two\_reaction\_model

### 1 “environment” component

This component has no equations.

### 2 “A” component

$$\frac{d(A)}{d(time)} = \text{delta}_A$$

### 3 “B” component

$$\frac{d(B)}{d(time)} = \text{delta}_B$$

### 4 “C” component

$$\frac{d(C)}{d(time)} = (\text{delta}_C_{rxn1} + \text{delta}_C_{rxn2})$$

### 5 “D” component

$$\frac{d(D)}{d(time)} = \text{delta}_D$$

## 6 “E” component

$$\frac{d(E)}{d(\text{time})} = \text{delta}_E$$

## 7 “F” component

$$\frac{d(F)}{d(\text{time})} = \text{delta}_F$$

## 8 “first\_reaction” component

This component has no equations.

## 9 “second\_reaction” component

This component has no equations.