

# LDH\_1999

## 1 “global\_variables” component

This component has no equations.

## 2 “E” component

$$\frac{d(E)}{d(time)} = (delta\_E\_rxn3 + delta\_E\_rxn0 + delta\_E\_rxn4)$$

## 3 “B” component

$$\frac{d(B)}{d(time)} = (delta\_B\_rxn1 + delta\_B\_rxn4)$$

## 4 “EB” component

$$\frac{d(EB)}{d(time)} = delta\_EB\_rxn4$$

## 5 “A” component

$$\frac{d(A)}{d(time)} = delta\_A\_rxn0$$

## 6 “EA” component

$$\frac{d(EA)}{d(time)} = (delta\_EA\_rxn0 + delta\_EA\_rxn1)$$

## 7 “Q” component

$$\frac{d(Q)}{d(time)} = delta\_Q\_rxn3$$

## 8 “EQ” component

$$\frac{d(EQ)}{d(time)} = (delta\_EQ\_rxn2 + delta\_EQ\_rxn3)$$

## 9 “P” component

$$\frac{d(P)}{d(time)} = delta\_P\_rxn2$$

## 10 “EPQ\_EAB” component

$$\frac{d(EPQ\_EAB)}{d(time)} = (delta\_EPQ\_EAB\_rxn1 + delta\_EPQ\_EAB\_rxn2)$$

## 11 “reaction0” component

This component has no equations.

## 12 “reaction1” component

This component has no equations.

### **13 “reaction2” component**

This component has no equations.

### **14 “reaction3” component**

This component has no equations.

### **15 “reaction4” component**

This component has no equations.