

# BPGS\_P\_1999

## 1 “global\_variables” component

This component has no equations.

## 2 “E” component

$$\frac{d(E)}{d(time)} = (delta\_E\_rxn3 + delta\_E\_rxn3a + delta\_E\_rxn4 + delta\_E\_rxn0)$$

## 3 “A” component

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

## 4 “EA” component

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

## 5 “F” component

$$\frac{d(F)}{d(time)} = (delta\_F\_rxn1 + delta\_F\_rxn2 + delta\_F\_rxn2a + delta\_F\_rxn5 + delta\_F\_rxn6)$$

**6 “Pi” component**

$$\frac{d(Pi)}{d(time)} = \text{delta\_Pi\_rxn2}$$

**7 “two\_PGly” component**

$$\frac{d(\text{two\_PGly})}{d(time)} = \text{delta\_2\_PGly\_rxn2a}$$

**8 “FPi” component**

$$\frac{d(FPi)}{d(time)} = (\text{delta\_FPi\_rxn2} + \text{delta\_FPi\_rxn3})$$

**9 “F2\_PGly” component**

$$\frac{d(F2\_PGly)}{d(time)} = (\text{delta\_F2\_PGly\_rxn2a} + \text{delta\_F2\_PGly\_rxn3a})$$

**10 “D” component**

$$\frac{d(D)}{d(time)} = \text{delta\_D\_rxn4}$$

**11 “ED” component**

$$\frac{d(ED)}{d(time)} = (\text{delta\_ED\_rxn7} + \text{delta\_ED\_rxn8} + \text{delta\_ED\_rxn4})$$

**12 “B” component**

$$\frac{d(B)}{d(time)} = \text{delta\_B\_rxn5}$$

### 13 “FB” component

$$\frac{d(FB)}{d(time)} = (\text{delta\_FB\_rxn5} + \text{delta\_FB\_rxn7})$$

### 14 “C” component

$$\frac{d(C)}{d(time)} = \text{delta\_C\_rxn6}$$

### 15 “FC” component

$$\frac{d(FC)}{d(time)} = (\text{delta\_FC\_rxn6} + \text{delta\_FC\_rxn8})$$

### 16 “reaction0” component

This component has no equations.

### 17 “reaction1” component

This component has no equations.

### 18 “reaction2” component

This component has no equations.

### 19 “reaction2a” component

This component has no equations.

### 20 “reaction3” component

This component has no equations.

## **21 “reaction3a” component**

This component has no equations.

## **22 “reaction4” component**

This component has no equations.

## **23 “reaction5” component**

This component has no equations.

## **24 “reaction6” component**

This component has no equations.

## **25 “reaction7” component**

This component has no equations.

## **26 “reaction8” component**

This component has no equations.