

## 北京郵電大學

Beijing University of Posts and Telecommunications

8. | E+S 
$$\frac{K_1}{K_2}$$
 ES  $\frac{K_3}{K_3}$  E+P

 $K_1 = C_1 \cdot c(E) \cdot c(S)$ 
 $K_2 = C_2 \cdot c(ES)$ 
 $K_3 = C_3 \cdot c(ES)$ 
 $\Delta E = \frac{d(E)}{dt} = K_2 + K_3 - K_1$ 
 $\Delta S = \frac{d(S)}{dt} = K_2 - K_1$ 
 $\Delta F = \frac{d(S)}{dt} = K_2 - K_3$ 
 $\Delta P = \frac{d(P)}{dt} = K_3$ 

8. 2  $(y_1' = 750 y_3 - 100 y_1, y_2)$   $(y_3' = -y_1')$ 
 $(y_1 = E)$   $(y_1' = 750 y_3 - 100 y_1, y_2)$   $(y_2' = -y_1')$ 
 $(y_3 = E)$   $(y_2' = 600 y_3 - 100 y_1, y_2)$   $(y_4' = 150 y_3 + 100 y_1, y_2)$ 
 $(y_4 = P)$