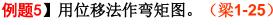
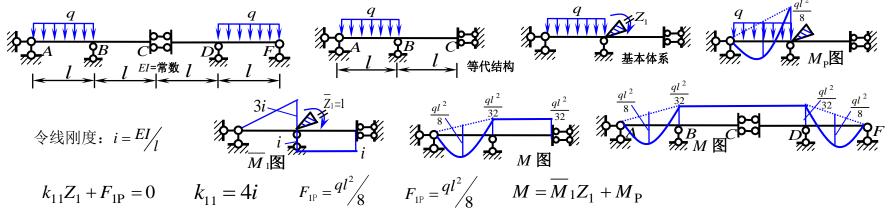
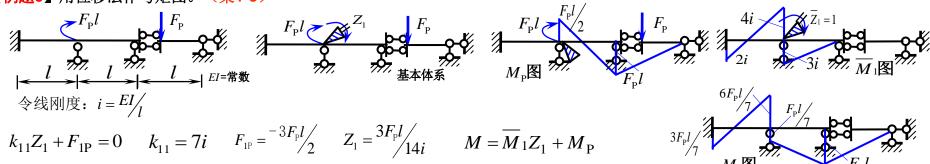


令线刚度: i = EI/l $k_{11}Z_1 + F_{1P} = 0$ $k_{11} = 3i/l^2 + k = 4i/l^2$ $F_{1P} = -3i/l$ $Z_1 = 3l/4$ $M = \overline{M}_1 Z_1 + M_P$

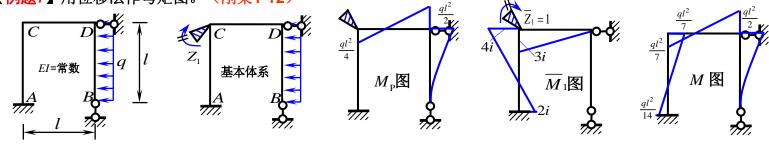




【例题6】用位移法作弯矩图。(梁1-3)

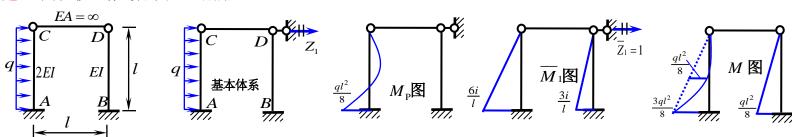


【<mark>例题7</mark>】用位移法作弯矩图。(<u>刚架1-12</u>)



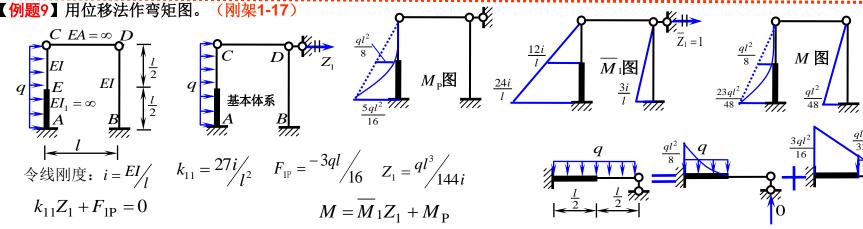
令线刚度:
$$i = \frac{EI}{l}$$
 $k_{11}Z_1 + F_{1P} = 0$ $k_{11} = 7i$ $F_{1P} = \frac{ql^2}{4}$ $Z_1 = \frac{-ql^2}{28i}$ $M = \overline{M}_1 Z_1 + M_P$

8】用位移法作弯矩图。(<mark>刚架1-13</mark>)

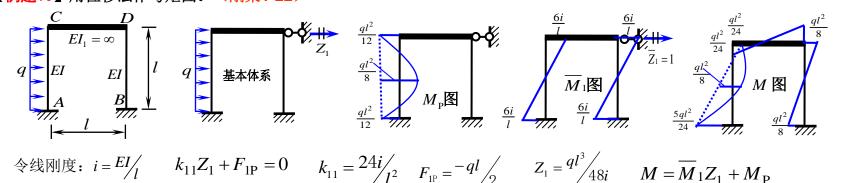


令线刚度:
$$i = \frac{EI}{l}$$
 $k_{11}Z_1 + F_{1P} = 0$ $k_{11} = \frac{9i}{l^2}$ $F_{1P} = \frac{-3ql}{8}$ $Z_1 = \frac{ql^3}{24i}$ $M = \overline{M}_1Z_1 + M_P$

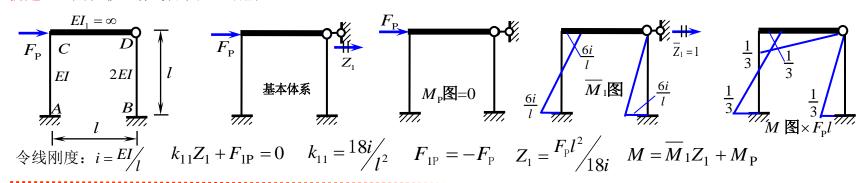
【**例题9**】用位移法作弯矩图。(刚架**1-17**)



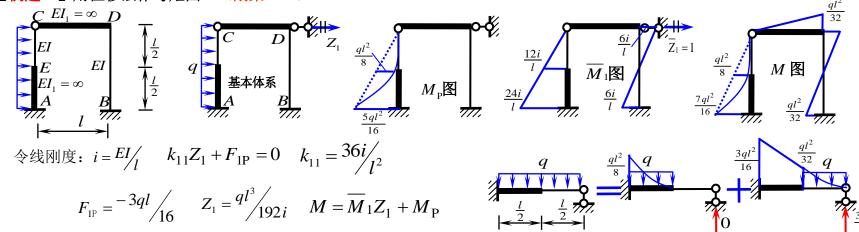
【例题10】用位移法作弯矩图。(刚架1-22)



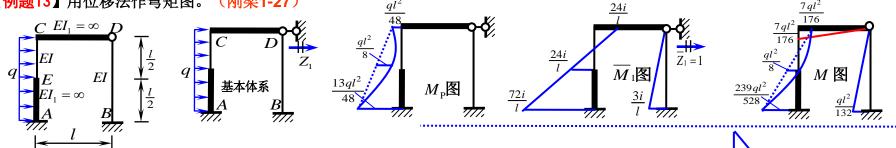
<mark>例题11</mark>】用位移法作弯矩图。(<mark>刚架1</mark>-



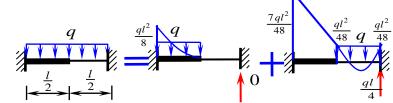
【<mark>例题</mark>12】用位移法作弯矩图。(刚架**1-26**)

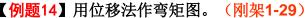


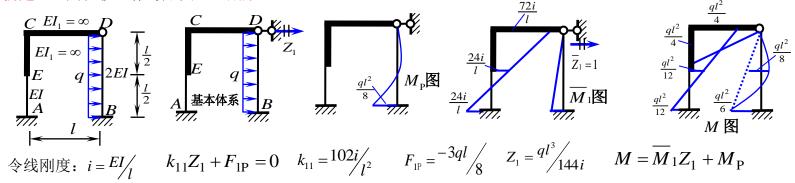
【**例题13**】用位移法作弯矩图。(刚架**1-27**



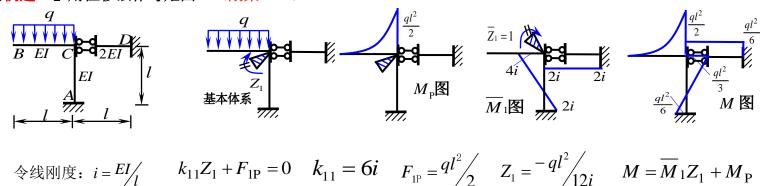
令线刚度:
$$i = EI/l$$
 $k_{11}Z_1 + F_{1P} = 0$ $k_{11} = \frac{99i}{l^2}$
$$F_{1P} = \frac{-ql}{4} \qquad Z_1 = \frac{ql^3}{396i} \qquad M = \overline{M}_1 Z_1 + M_P$$



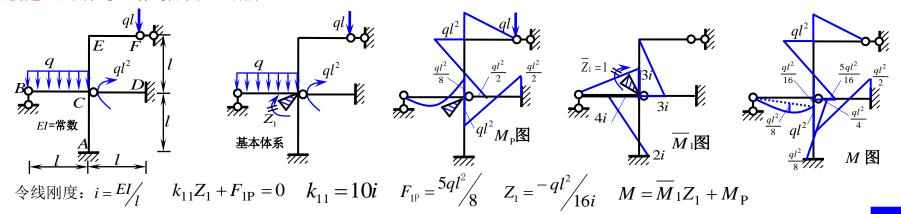


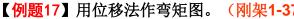


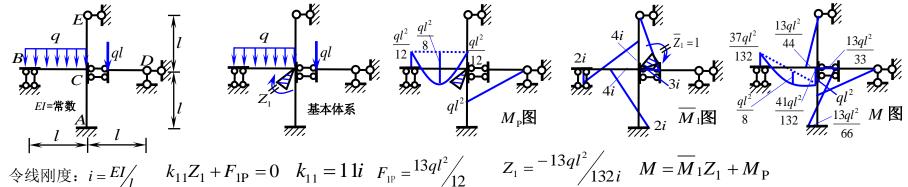
【<mark>例题15</mark>】用位移法作弯矩图。(<u>刚架**1-33**)</u>



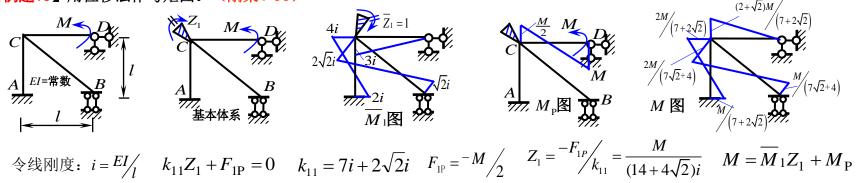
【<mark>例题</mark>16】用位移法作弯矩图。(刚架**1-34**)



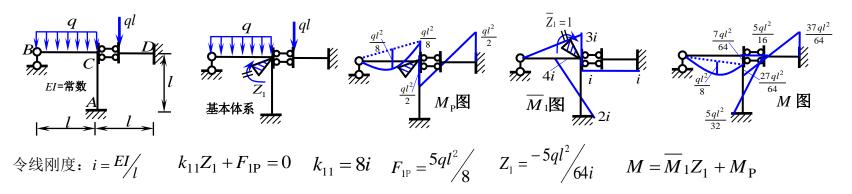




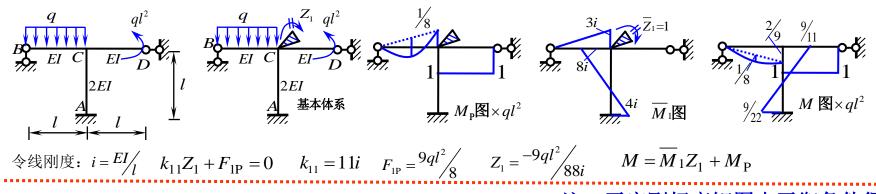
【例题18】用位移法作弯矩图。(刚架1-39)



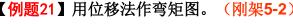
【例题19】用位移法作弯矩图。(刚架1-2

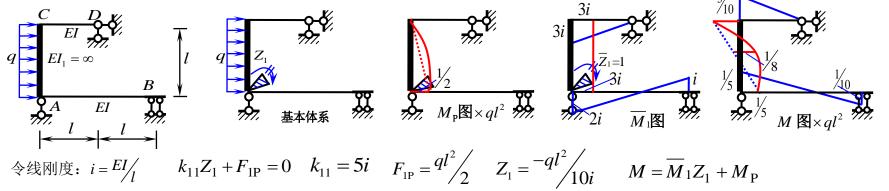


【例题20】用位移法作弯矩图。(刚架5-

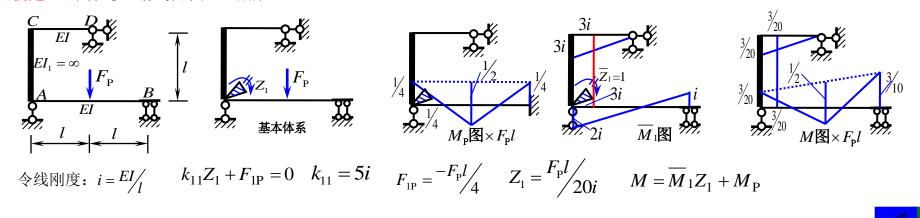


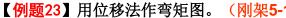
阅题21】 用放移法作变短图 (刚型5.2)

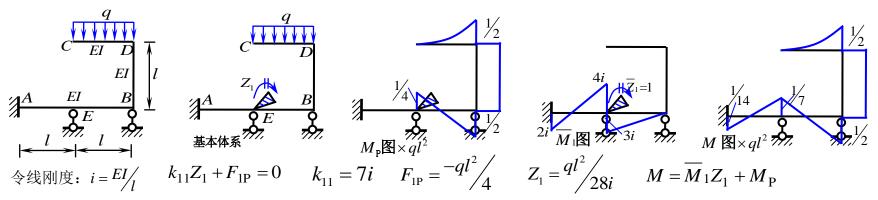




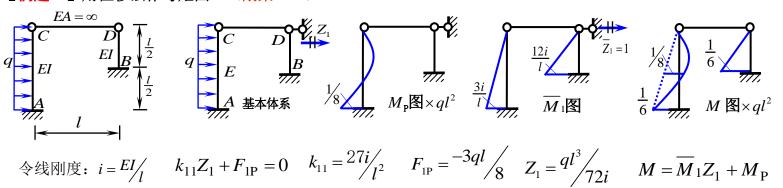
【例题22】用位移法作弯矩图。(刚架5-5)

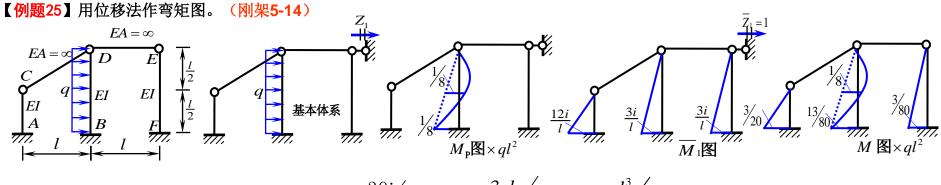




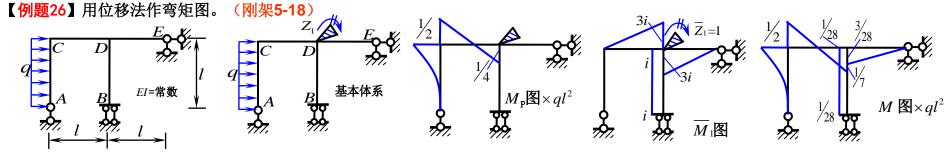


【<mark>例题24</mark>】用位移法作弯矩图。(刚架5-13)





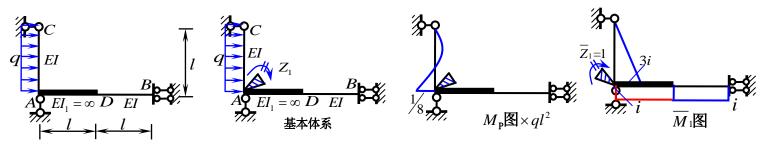
令线刚度:
$$i = EI/l$$
 $k_{11}Z_1 + F_{1P} = 0$ $k_{11} = \frac{30i}{l^2}$ $F_{1P} = \frac{-3ql}{8}$ $Z_1 = \frac{ql^3}{80i}$ $M = \overline{M}_1Z_1 + M_P$



令线刚度:
$$i = EI/l$$
 $k_{11}Z_1 + F_{1P} = 0$ $k_{11} = 7i$ $F_{1P} = -ql^2/4$ $Z_1 = ql^2/28i$ $M = \overline{M}_1Z_1 + M_P$

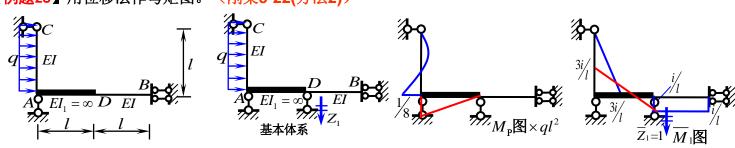
【<mark>例题27】</mark>用位移法作弯矩图。(刚架**5-22**(方法**1**))

无穷刚杆件的弯矩图由平衡条件得到



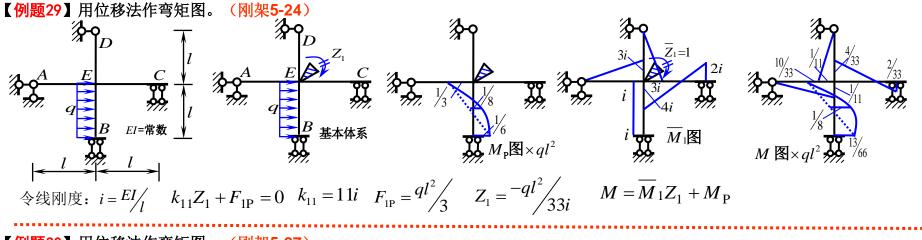
令线刚度:
$$i = \frac{EI}{l}$$
 $k_{11}Z_1 + F_{1P} = 0$ $k_{11} = 4i$ $F_{1P} = \frac{-ql^2}{8}$ $Z_1 = \frac{ql^2}{32i}$ $M = \overline{M}_1Z_1 + M_P$

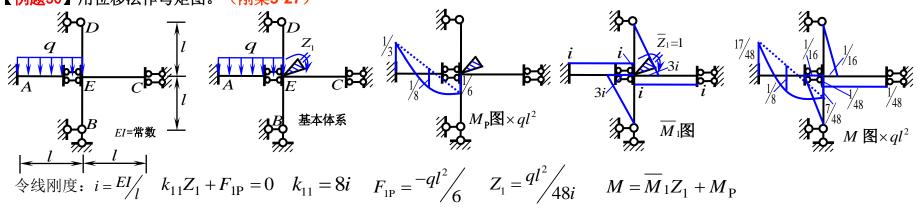
【例题28】用位移法作弯矩图。(刚架5-22(方法2))



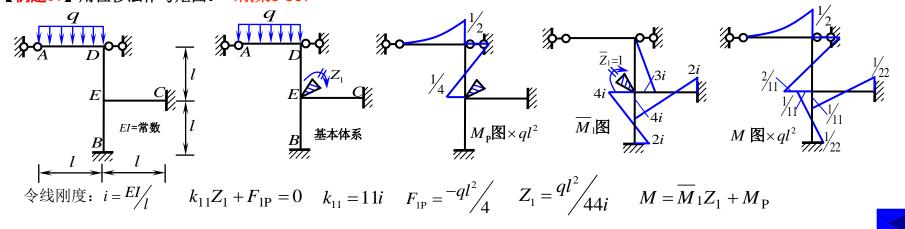
令线刚度:
$$i = \frac{EI}{l}$$
 $k_{11}Z_1 + F_{1P} = 0$ $k_{11} = \frac{4i}{l^2}$ $F_{1P} = \frac{-ql}{8}$ $Z_1 = \frac{ql^3}{32i}$ $M = \overline{M}_1 Z_1 + M_P$

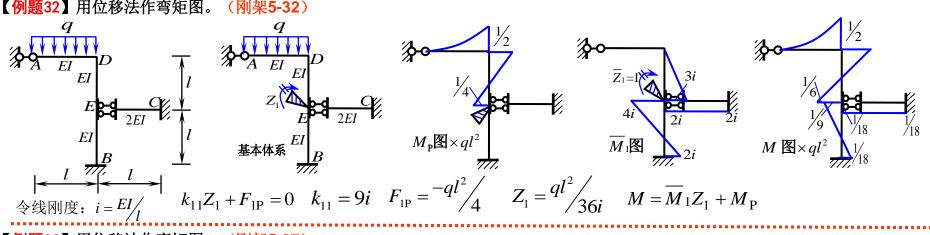
M图 $\times ql^2$



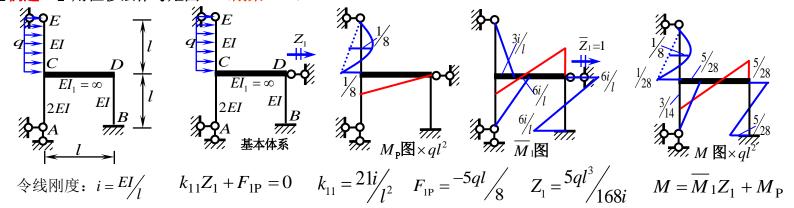


【例题31】用位移法作弯矩图。 (刚架5-30)

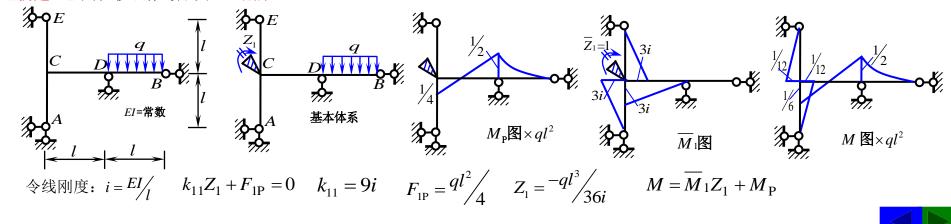


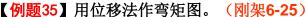


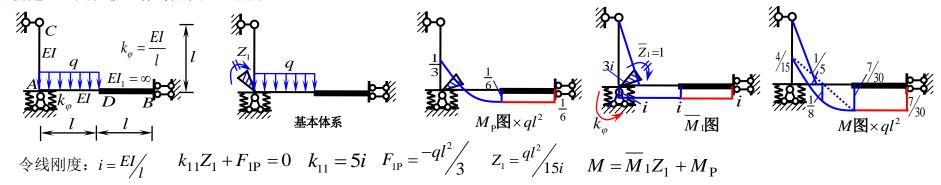
【<mark>例题33</mark>】用位移法作弯矩图。(<mark>刚架5-37</mark>)



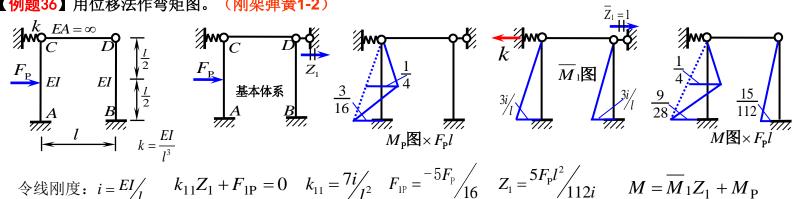
【例题34】用位移法作弯矩图。(刚架5-40)



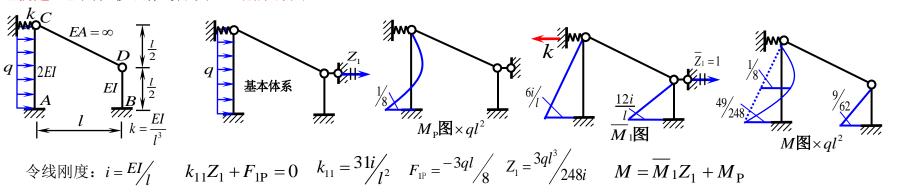




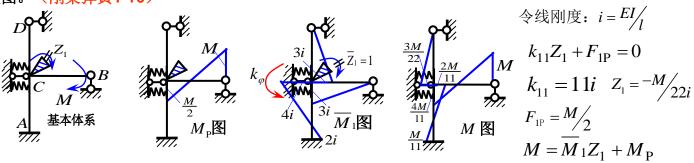
【例题36】用位移法作弯矩图。(刚架弹簧1-2)



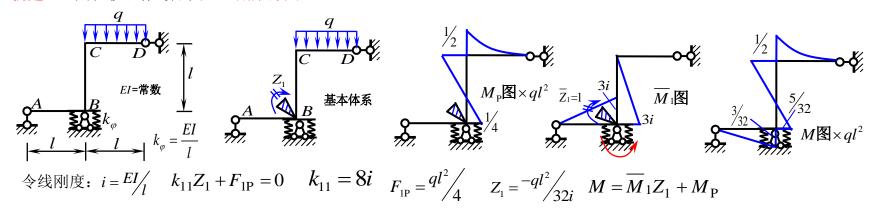
【例题37】用位移法作弯矩图。(刚架弹簧1-5)



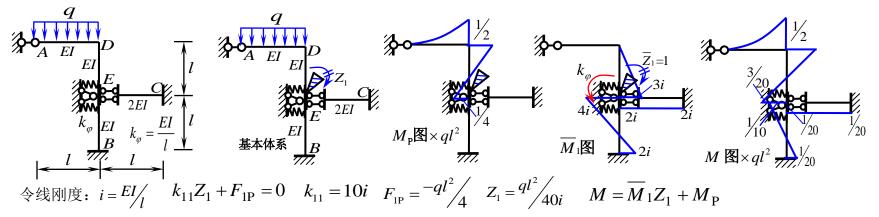




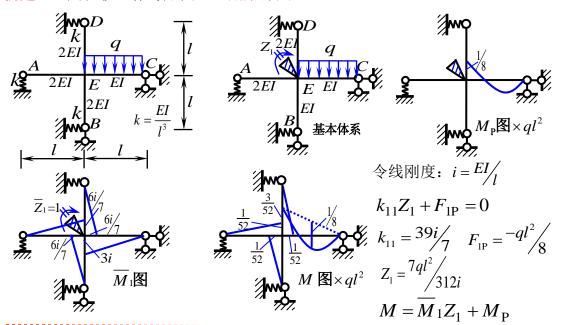
【例题39】用位移法作弯矩图。(刚架弹簧1-25)

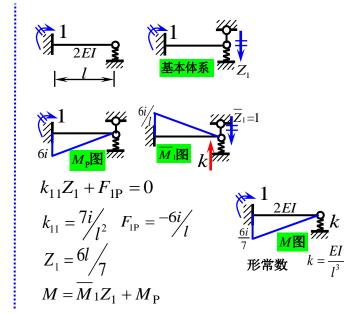


【例题40】用位移法作弯矩图。(刚架弹簧1-28)

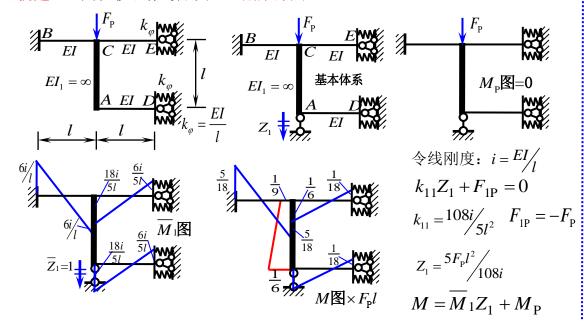


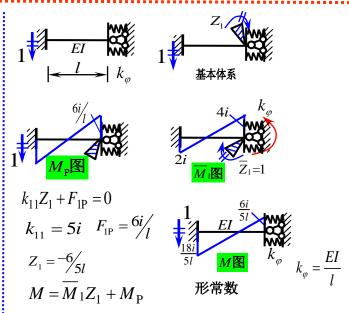
【例题41】用位移法作弯矩图。(刚架弹簧1-2





【例题42】用位移法作弯矩图。(刚架弹簧1-33





【例题1】用位移法作弯矩图。(梁1-2)

$$k_{11}Z_1 + F_{1P} = 0$$

$$M = \overline{M}_1 Z_1 + M_P$$

令线刚度:
$$i = \frac{EI}{l}$$

【<mark>例题</mark>2】用位移法作弯矩图。(<mark>梁1-2</mark>)

$$k_{11}Z_1 + F_{1P} = 0$$

$$M = \overline{M}_1 Z_1 + M_P$$