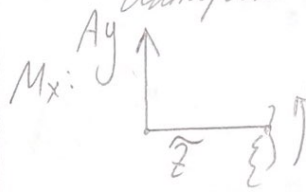


Торможение  $M_x, M_y$ :

1) Влегли ось  $\tilde{z}$ , кар. в м. А

интервал  $0 \leq \tilde{z} \leq a_1$ :

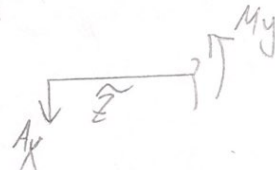


$$\sum \text{mom } F_i = -A_y \tilde{z} + M_x = 0 \Rightarrow M_x(\tilde{z}) = A_y \tilde{z}$$

$$M_x(0) = 0$$

$$M_x(a_1) = A_y a_1 = 1,6892 \cdot 0,35 = 0,5912 \text{ кН}\cdot\text{м}$$

$M_y$ :

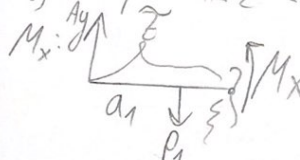


$$M_y(\tilde{z}) = -A_x \tilde{z}$$

$$M_y(0) = 0$$

$$M_y(a_1) = -A_x a_1 = -0,35 \cdot 0,8556 = -0,29946 \text{ кН}\cdot\text{м}$$

2) Интервал  $a_1 \leq \tilde{z} \leq l_1$



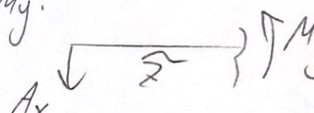
$$\sum \text{mom } F_i = -A_y \tilde{z} + M_x + P_1(\tilde{z} - a_1) = 0$$

$$\Rightarrow M_x(\tilde{z}) = A_y \tilde{z} - P_1(\tilde{z} - a_1)$$

$$M_x(a_1) = A_y a_1 = 0,5912 \text{ кН}\cdot\text{м}$$

$$M_x(l_1) = A_y l_1 - P_1(l_1 - a_1) = 1,6892 \cdot 0,8 - 2,2267(0,8 - 0,35) = 1,35136 - 1,002015 = 0,349345 \text{ кН}\cdot\text{м}$$

$M_y$ :



$$M_y = -A_x \tilde{z}$$


$$M_y(a_1) = -A_x a_1 = -0,29946 \text{ кН}\cdot\text{м}$$

$$M_y(l_1) = -A_x l_1 = -0,8556 \cdot 0,8 = -0,68448 \text{ кН}\cdot\text{м}$$

Влегли ось  $\tilde{z}$ , кар. в м. В. Числовые значения осей:

$$P(\tilde{z}) = P(l_1 + l_2 - \tilde{z}); \quad \tilde{z} \uparrow \downarrow \tilde{z}$$

интервал:  $0 \leq \tilde{z} \leq l_2$



$$M_y = -\tilde{z} B_x$$

$$M_y(0) = 0$$

$$M_y(l_2) = -B_x l_2 = -0,651,053 \text{ кН}\cdot\text{м}$$

$$\Rightarrow -0,68445 \text{ кН}\cdot\text{м}$$



$$M_x = B_y \tilde{z}$$

$$M_x(0) = 0$$

$$M_x(l_2) = B_y l_2 = 0,65 \cdot 0,5375 \text{ кН}\cdot\text{м}$$

$$\Rightarrow 0,34934 \text{ кН}\cdot\text{м}$$

Строим эпюры на прод. линии