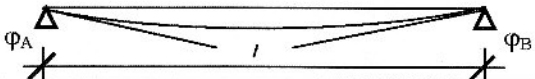
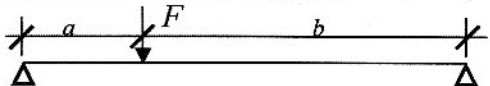
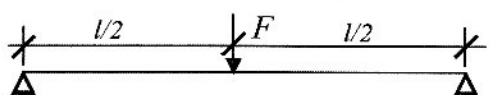
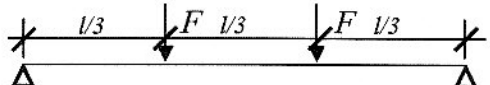
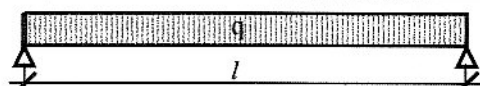
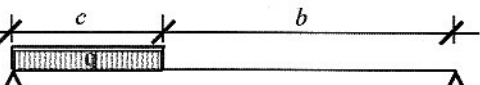
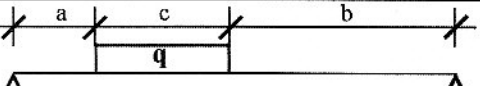
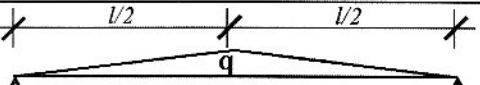
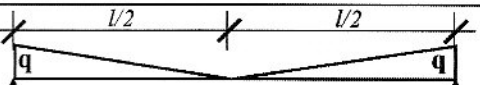
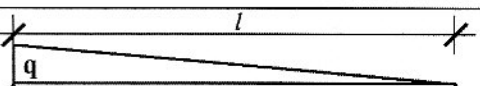
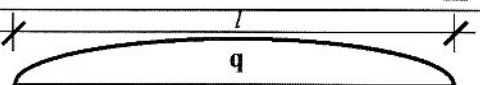
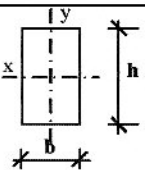
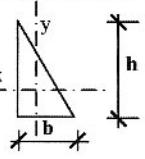
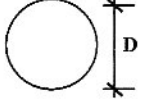
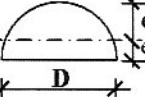


### Clapeyron egyenletek jobb oldala

|   |  |   |
|---|--|---|
| $-6EI\varphi_A$                         |    | $-6EI\varphi_B$                         |
| $-\frac{Fab}{l} (1+b)$                  |    | $-\frac{Fab}{l} (1+a)$                  |
| $-\frac{3}{8}Fl^2$                      |    | $-\frac{3}{8}Fl^2$                      |
| $-\frac{2}{3}Fl^2$                      |    | $-\frac{2}{3}Fl^2$                      |
| $-\frac{1}{4}ql^3$                      |    | $-\frac{1}{4}ql^3$                      |
| $-\frac{q}{4l} (l^2-b^2)^2$             |    | $-\frac{q}{4l} c^2(2l^2-c^2)$           |
| $-\frac{q}{4l} [(l^2-b^2)^2-(2al-a^2)]$ |    | $-\frac{q}{4l} [(l^2-a^2)^2-(2bl-b^2)]$ |
| $-\frac{5}{32}ql^3$                     |    | $-\frac{5}{32}ql^3$                     |
| $-\frac{3}{32}ql^3$                     |   | $-\frac{3}{32}ql^3$                     |
| $-\frac{2}{15}ql^3$                     |  | $-\frac{7}{60}ql^3$                     |
| $-\frac{1}{5}ql^3$                      |  | $-\frac{1}{5}ql^3$                      |

### Keresztmetszeti adatok

| Keresztmetszet  | Felület      | Súlypont                           | Inercianyomaték                                 | Inerciasugár                                       | Keresztmetszeti tényező                               |
|---|--------------|------------------------------------|---|--|---|
|  | $A=bh$       | $x_s=b/2,$<br>$y_s=h/2$            | $I_x=\frac{bh^3}{12},$<br>$I_y=\frac{hb^3}{12}$ | $i_x=\frac{h}{\sqrt{12}}, i_y=\frac{b}{\sqrt{12}}$ | $W_x=\frac{bh^2}{6}, W_y=\frac{hb^2}{6}$              |
|  | $A=bh/2$     | $x_s=b/3,$<br>$y_s=h/3$            | $I_x=\frac{bh^3}{36}, I_y=\frac{hb^3}{36}$      | $i_x=\frac{h}{\sqrt{18}}, i_y=\frac{b}{\sqrt{18}}$ | $W_{x1}=\frac{bh^2}{12},$<br>$W_{x2}=\frac{bh^2}{24}$ |
|  | $A=r^2\pi$   | $e=r$                              | $I_x=I_y=\frac{r^4\pi}{4}$                      | $i_x=i_y=\frac{r}{2}$                              | $W_x=W_y=\frac{r^3\pi}{4}$                            |
|  | $A=r^2\pi/2$ | $x_s=e_1=0,424r$<br>$, e_2=0,576r$ | $I_x=0,1098r^4,$<br>$I_y=\frac{r^4\pi}{8}$      | $i_x=0,2644r,$<br>$i_y=\frac{r}{2}$                | $W_1=0,259r^3,$<br>$W_2=0,1908r^3$                    |