

5.5 Vyjádření neznámé ze vzorce 133-136

$$x_{1,2} = \frac{-c \pm \sqrt{D}}{2b}. \quad \mathbf{133.} \quad \text{a) } u = \sqrt{2S}; \quad \text{b) } f = \frac{1}{D}; \quad \text{c) } a = 2\sqrt{\frac{S}{\sqrt{3}}};$$
$$\text{d) } d = \sqrt[3]{\frac{6V}{\pi}}; \quad \text{e) } d = 2\sqrt{\frac{S}{\pi}}; \quad \text{f) } r = p \cotg \delta; \quad p = \frac{r}{\cotg \delta}; \quad \text{g) } x = \frac{by+c}{-a};$$
$$\text{h) } x_1 = 2\bar{x} - x_2. \quad \mathbf{134.} \quad \text{a) } a = \sqrt[3]{\frac{m}{\rho}}; \quad \text{b) } Q_1 = \frac{Fr^2}{kQ_2}; \quad \text{c) } v = \frac{m}{\rho\pi r^2};$$
$$\text{d) } C = \frac{C_1 C_2 C_3}{C_2 C_3 + C_1 C_3 + C_1 C_2}; \quad C_2 = \frac{C C_1 C_3}{C_1 C_3 - C C_3 - C C_1}; \quad \text{e) } r = \sqrt{q^2 - k^2};$$
$$\text{f) } \cos \alpha = \frac{b^2 + c^2 - a^2}{2bc}. \quad \mathbf{135.} \quad R_s = \frac{F}{2\pi p b}, \quad b = \frac{F}{2\pi p R_s}. \quad \mathbf{136.} \quad V_k = \frac{V_z}{\varepsilon - 1};$$

7,68 cm³.