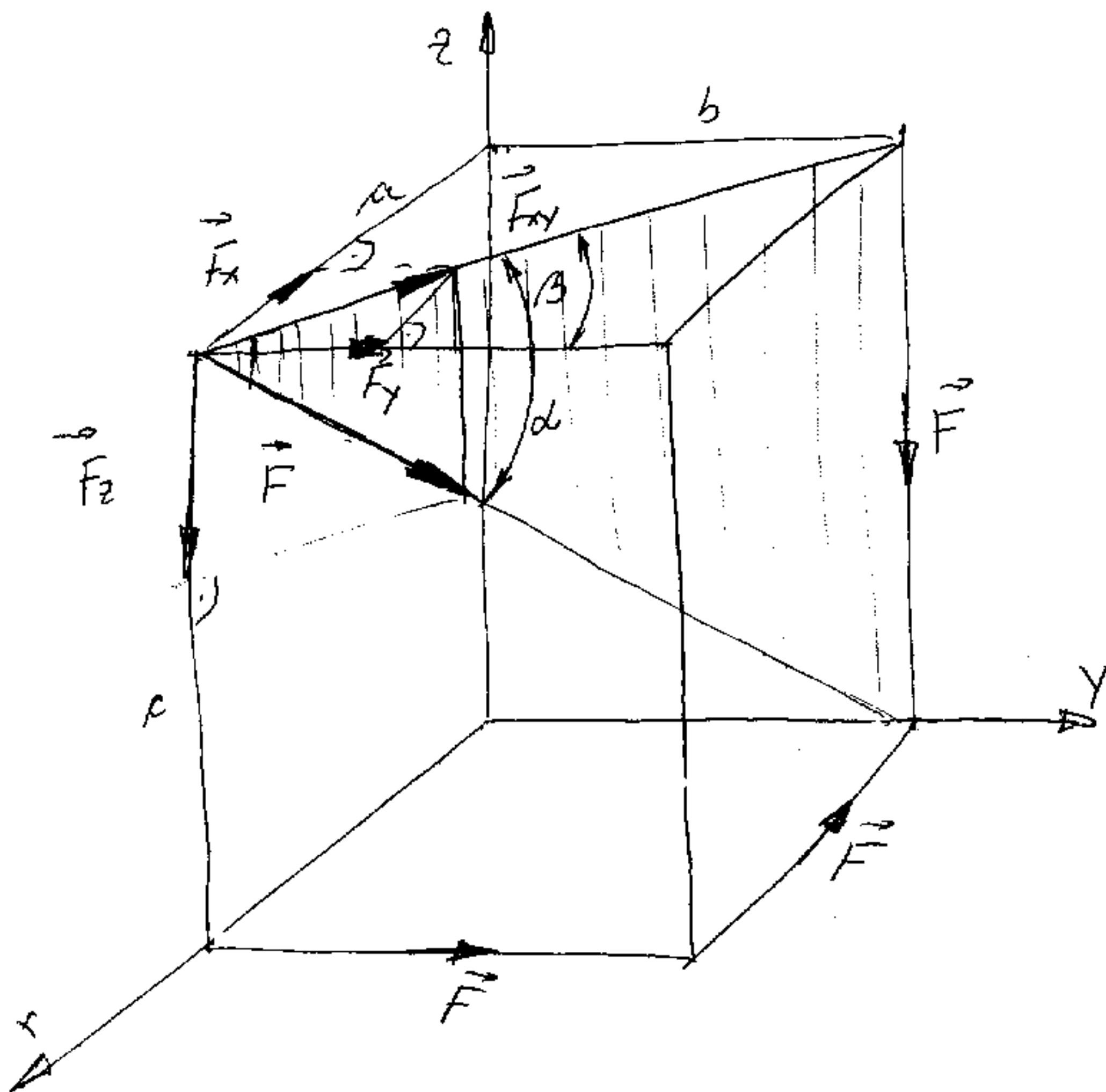


4. zad. grupa B



$$\operatorname{tg} \alpha = \frac{c}{\sqrt{a^2 + b^2}}$$

$$\operatorname{tg} \beta = \frac{a}{b}$$

Komponente gl. vektora:

$$X_R = -F - F \cos \alpha \sin \beta$$

$$Y_R = F + F \cos \alpha \cos \beta$$

$$Z_R = -F - F \sin \alpha$$

Komp. gl. momenta za tačku O:

$$a) M_x = -F b - F \cos \alpha \cos \beta \cdot c$$

$$b) M_y = 0$$

$$c) M_z = F \cdot a + F \cdot b + F \cos \alpha \sin \beta \cdot a$$