

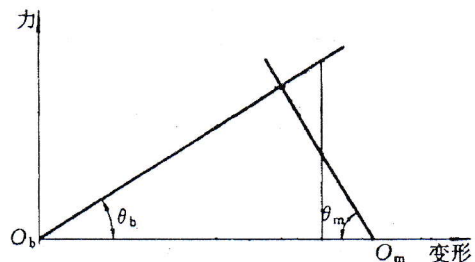
- (补充说明:

②已从手册上查出该轴承:  $F_a / F_r \leq e$ ,  $X=1$ ,  $Y=0$ ;  $F_a / F_r > e$ ,  $X=0.41$ ,  $Y=0.87$ ;  $e=0.68$ ,  $C_r=25.2\text{KN}$ 。)

1. (12 分) 在图示机构中, 试分析:

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- The diagram shows a mechanical system. A vertical guide with slots  $E$  and  $H$  contains a pin  $C$  and a roller  $B$ . A horizontal guide with slot  $F$  contains a roller  $G$ . A cable connects  $G$  to  $E$ . A lever arm  $ACB$  is pivoted at  $A$  on the left. A wheel with center  $D$  is in contact with the ground and the lever at  $B$ . An arrow indicates the wheel's rotation.

A cross-sectional diagram of a bolted joint. A bolt is shown on the left, passing through a flange. The flange is subjected to a uniform pressure  $P$  over a diameter  $D$ . The pressure is represented by several upward-pointing arrows. The flange has a hatched section on its outer edge. The bolt is shown in cross-section with a hexagonal head.



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