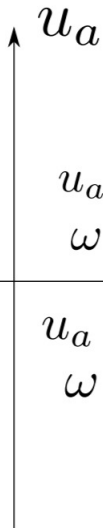
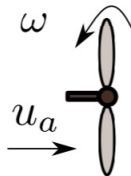


II.

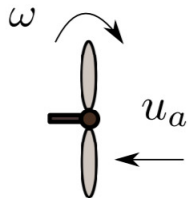
$$\begin{aligned} u_a &\geq 0 \\ \omega &< 0 \end{aligned}$$



I.



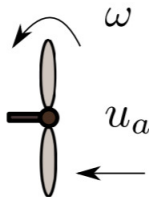
$$\begin{aligned} u_a &\geq 0 \\ \omega &\geq 0 \end{aligned}$$



III.

$$\begin{aligned} \omega &< 0 \\ u_a &< 0 \end{aligned}$$

$$\begin{aligned} u_a &< 0 \\ \omega &\geq 0 \end{aligned}$$



IV.