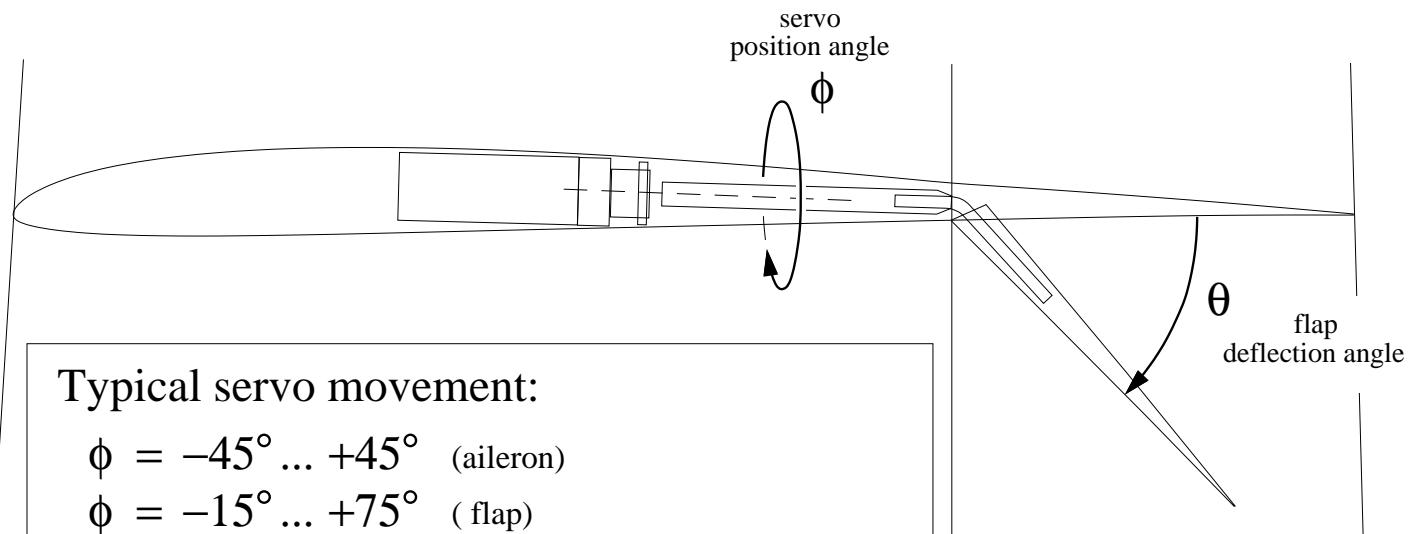


RDS Angle Relations

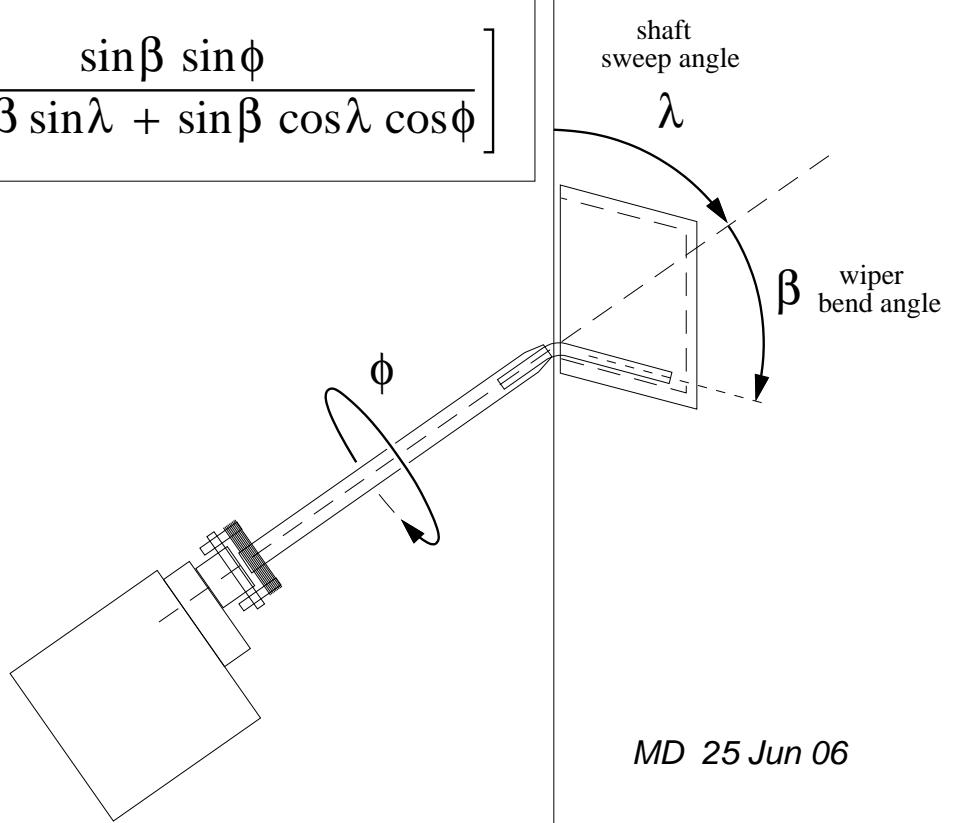


Typical servo movement:

$$\begin{aligned}\phi &= -45^\circ \dots +45^\circ \text{ (aileron)} \\ \phi &= -15^\circ \dots +75^\circ \text{ (flap)}\end{aligned}$$

Resulting flap movement:

$$\theta = \arctan \left[\frac{\sin \beta \sin \phi}{\cos \beta \sin \lambda + \sin \beta \cos \lambda \cos \phi} \right]$$



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