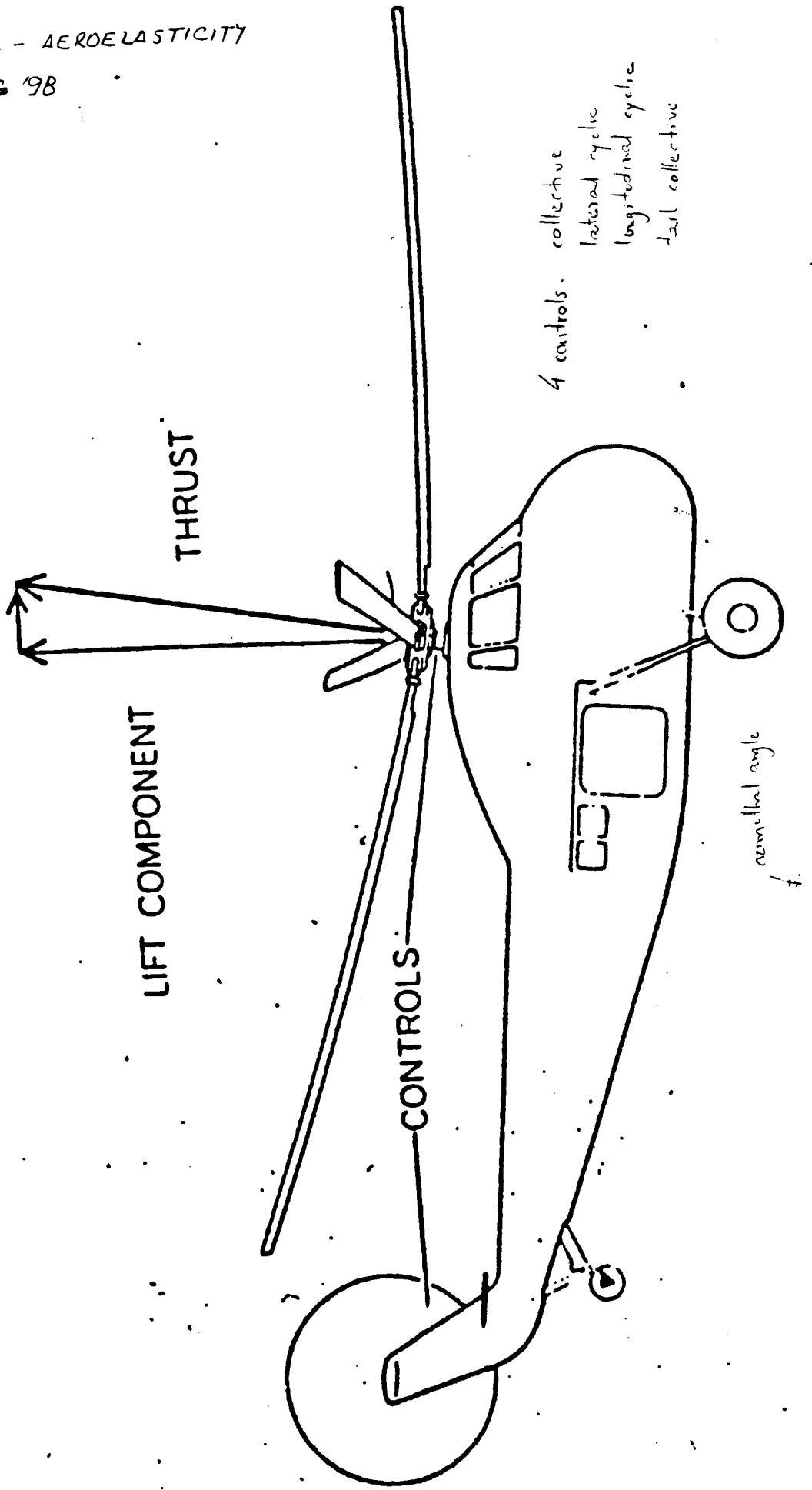


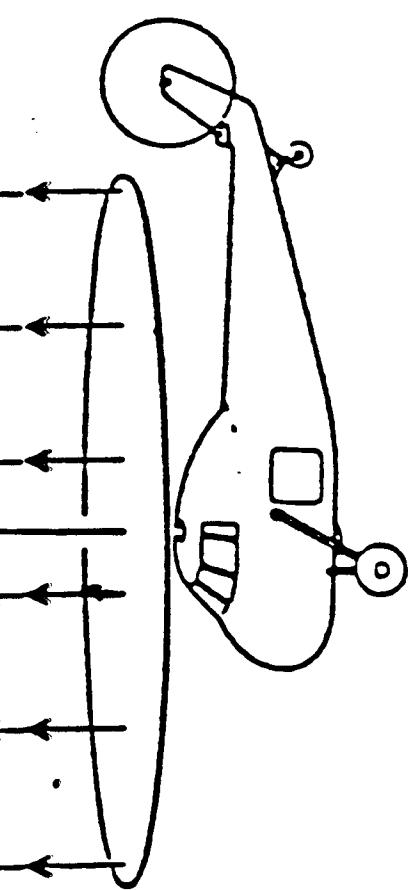
PROPELLIVE COMPONENT



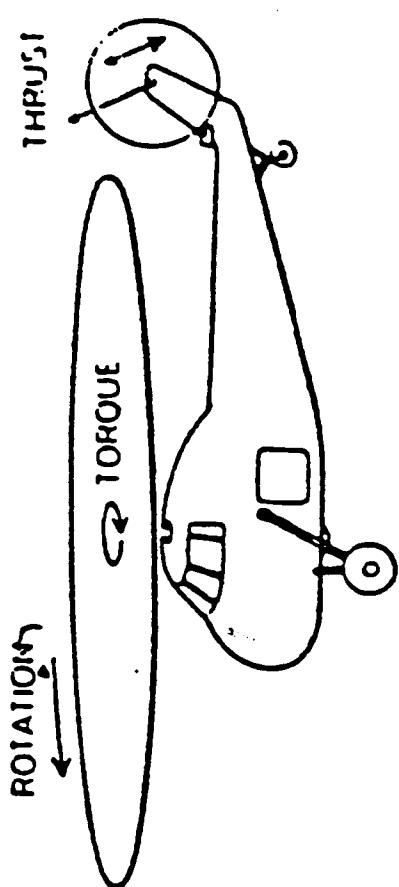
$$\Theta = \Theta_0 + \Theta_{lc} \cos \psi + \Theta_{ls} \sin \psi$$

collective lateral
 cyclic longitudinal
 cyclic

THRUST

b

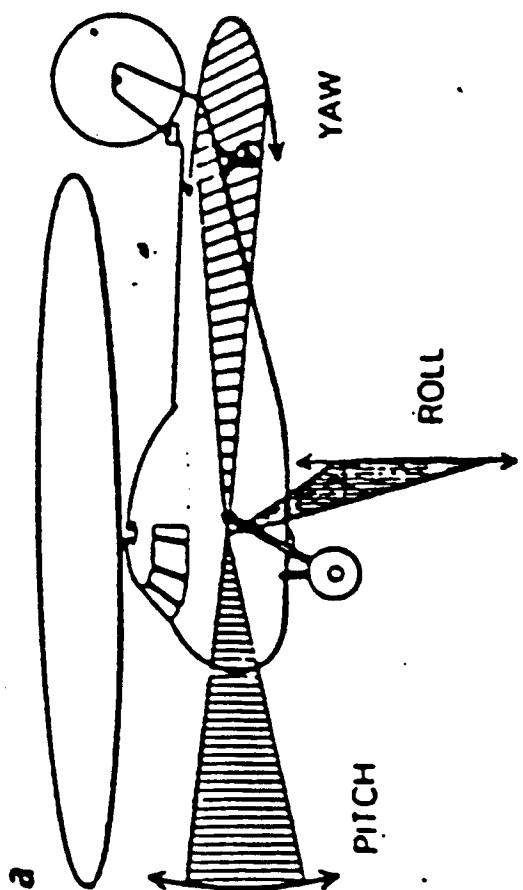
THRUST

d

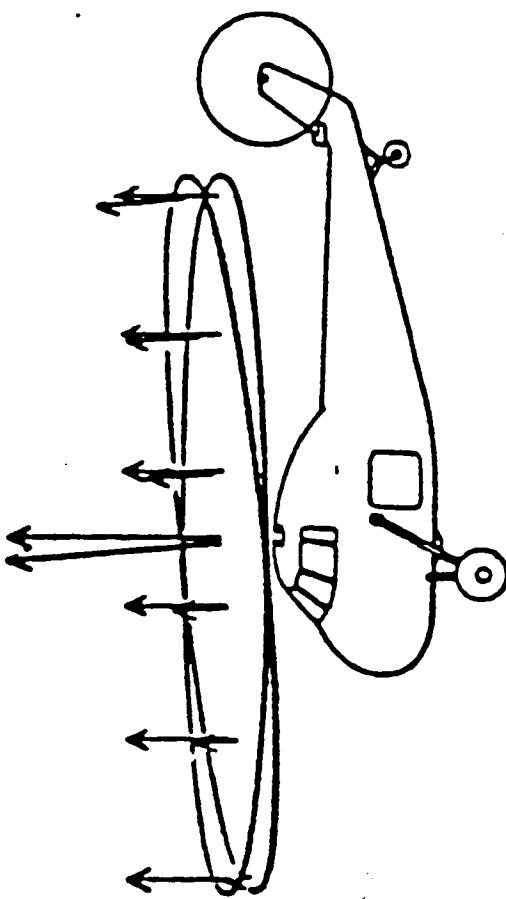
YAW

ROLL

PITCH



THRUST

c

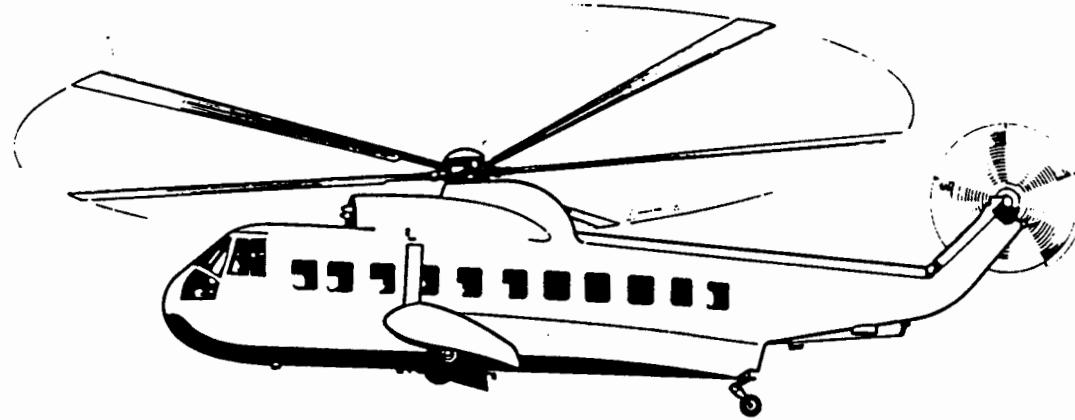


Figure 1-1 A single main rotor and tail rotor helicopter



Figure 1-2 A two-bladed single main rotor helicopter

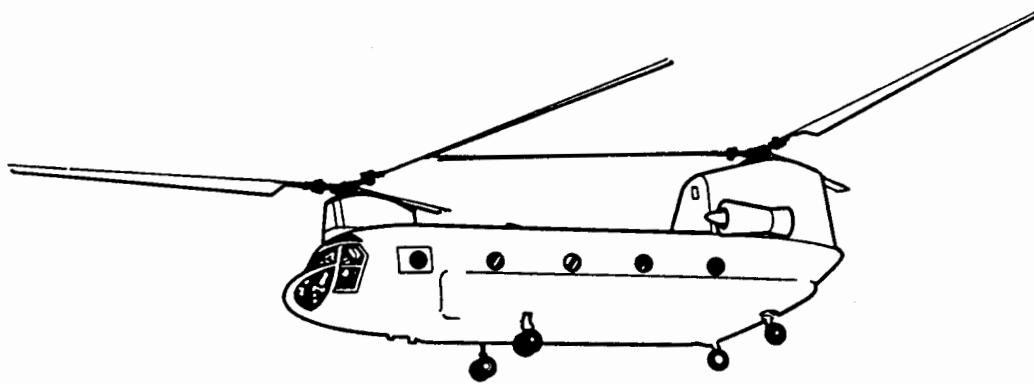
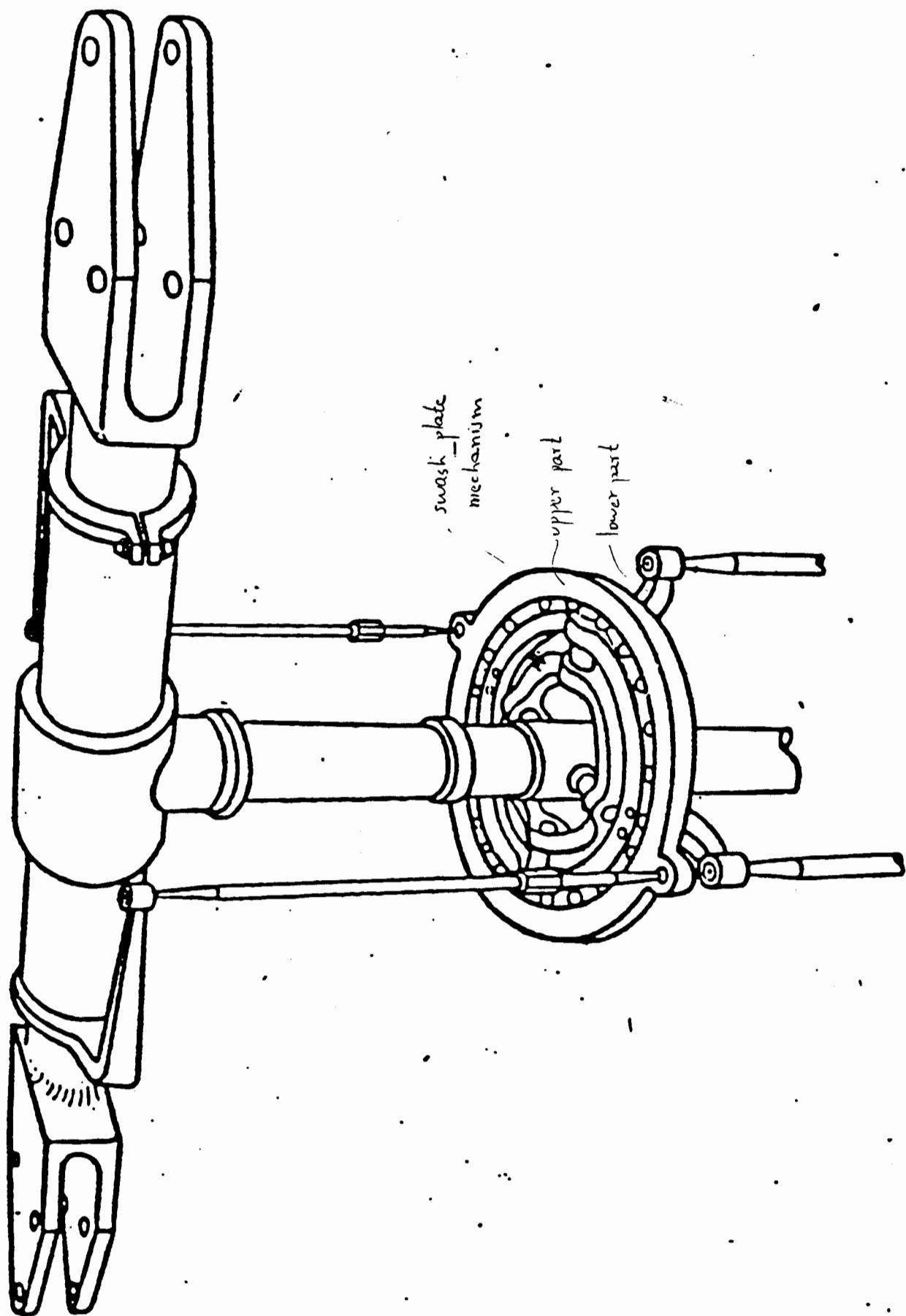


Figure 1-3 A tandem main rotor helicopter

Johnson, "Helicopter Theory"



7. Aerelastic response of rotorcraft

5/1

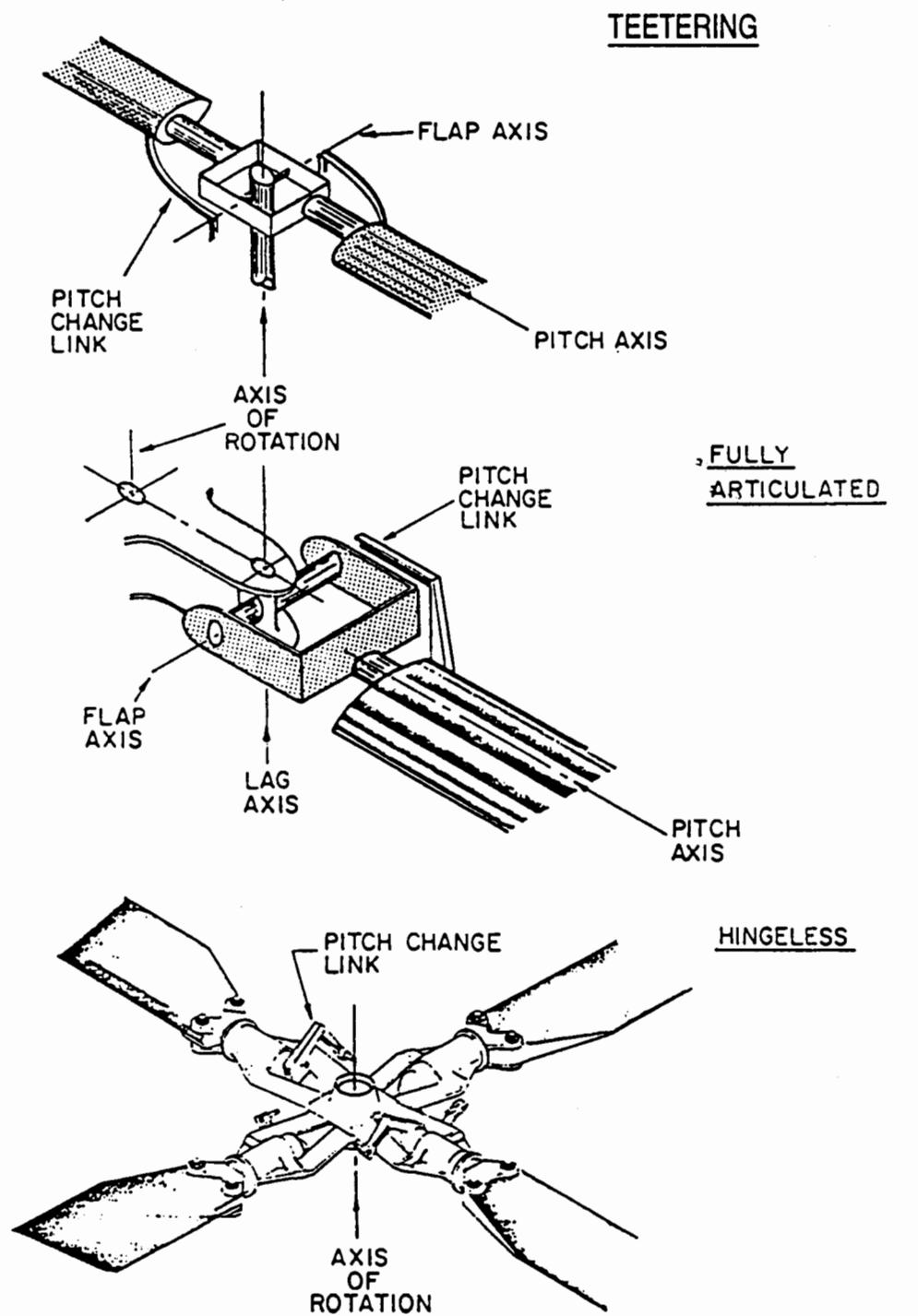
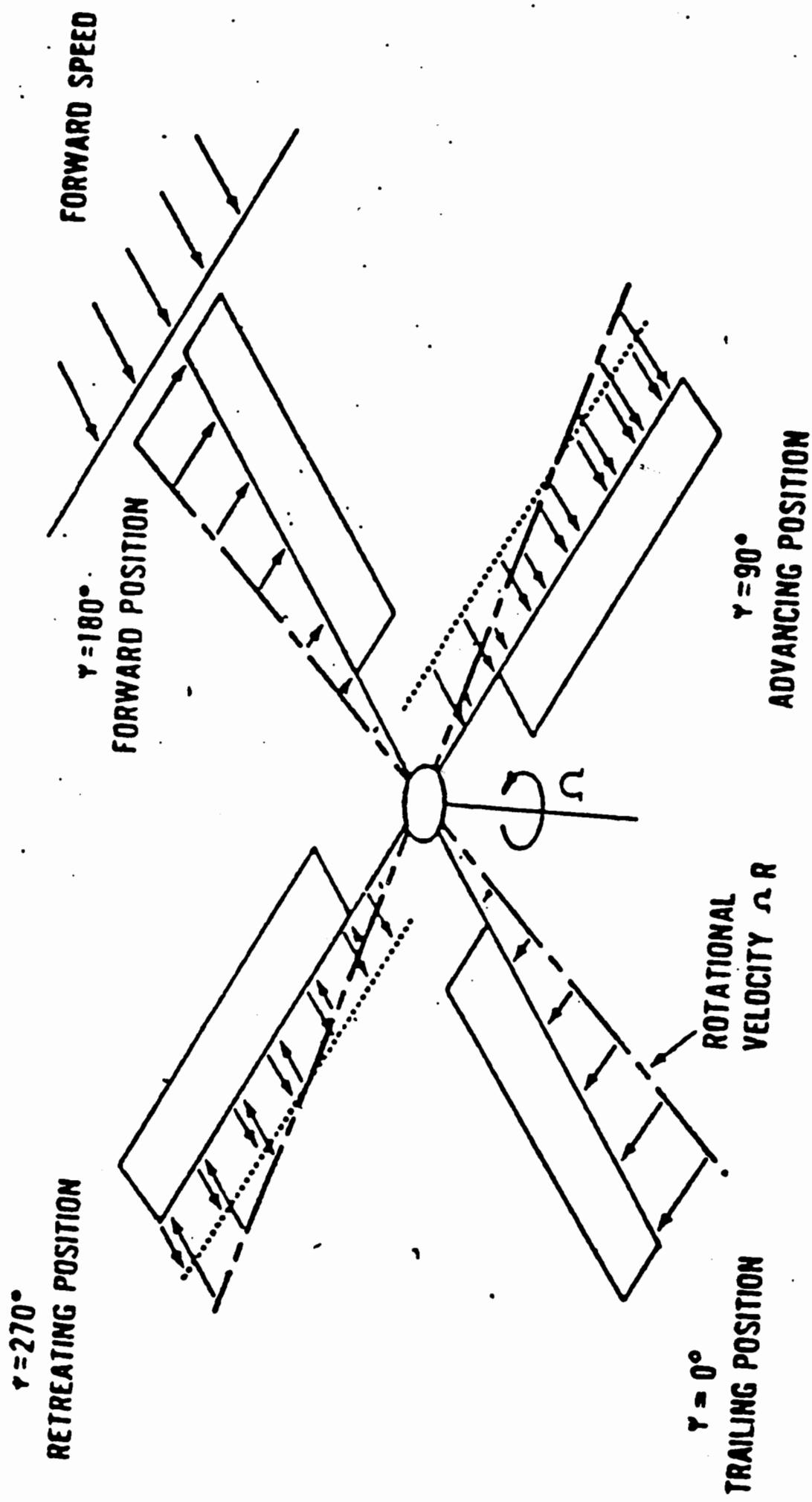


Figure 7.1 Various rotor hub configurations.

Dowell, et al

"A Modern Course in Aerelasticity"



Helicopter in forward flight

