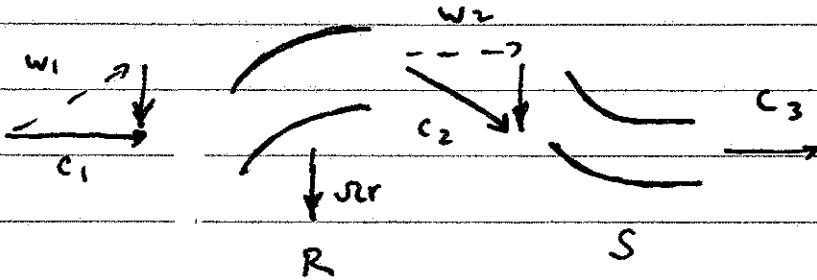
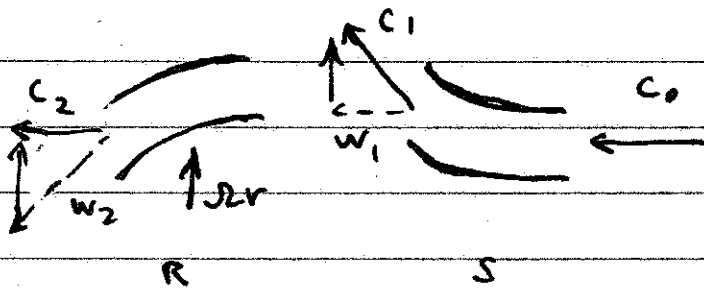


Case 1:



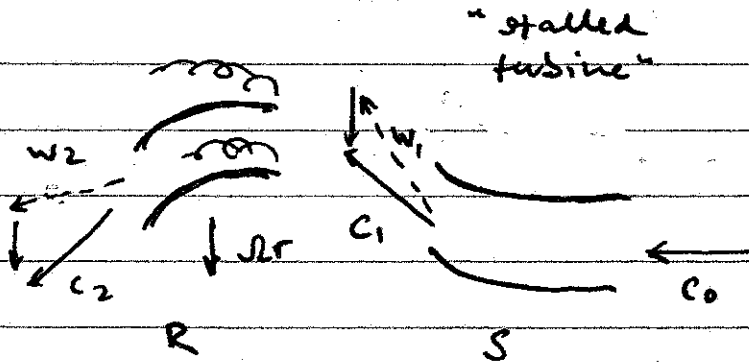
$\Delta h_t = \Omega r c_{\theta 2} > 0$
 "compressor"
 work done on fluid

Case 2:



$\Delta h_t = -\Omega r c_{\theta 1} < 0$
 "turbine"
 work done by fluid

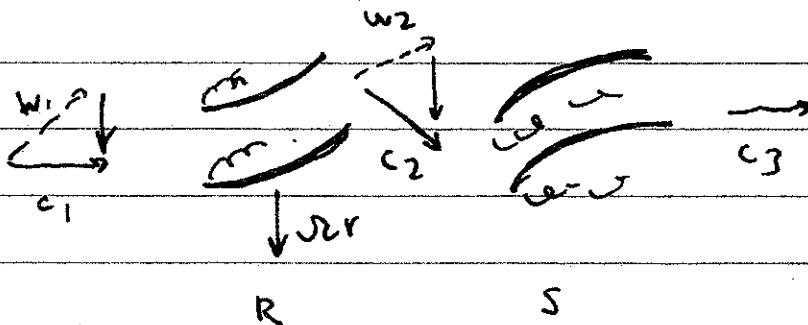
Case 3:



"stalled turbine"

flow will separate at leading edge due to high angle of attack
 will not follow blade trailing edge angle

will have exit swirl $c_{\theta 2} > 0$
 and reduced (or possibly no) work output



No: blades are curved wrong way (should be like case 1)

→ flow will separate
 → blade stall!