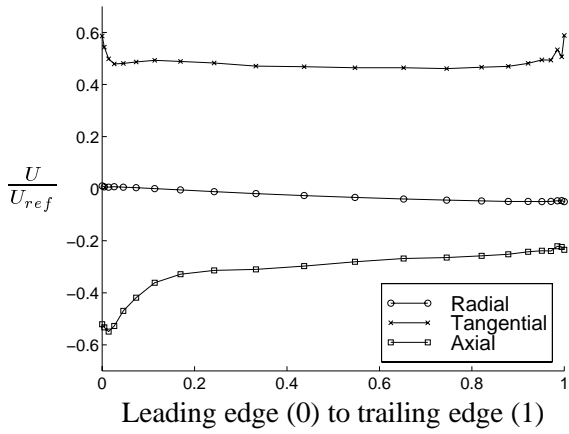
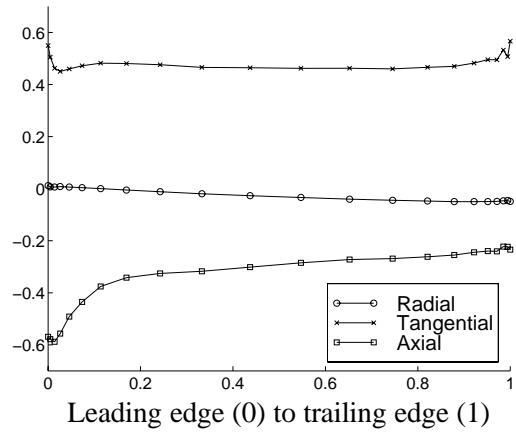


(e) Profiles, numbers 1 - 4 from right (tip) to left (hub).

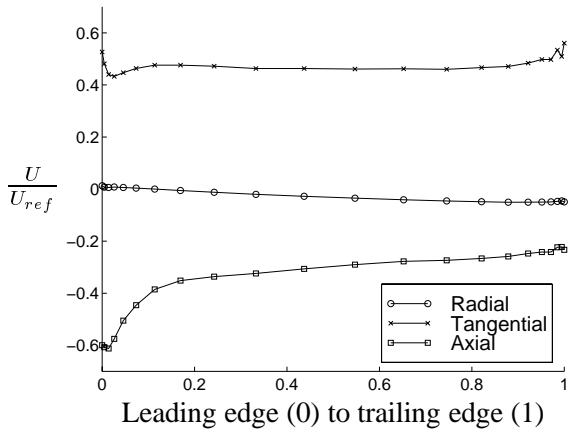
Figure 2.8: Runner blade static pressure coefficient distribution at the profiles displayed in the lower figure (pressure normalized using the reference velocity, $C_{ref} = \Omega D/2$).



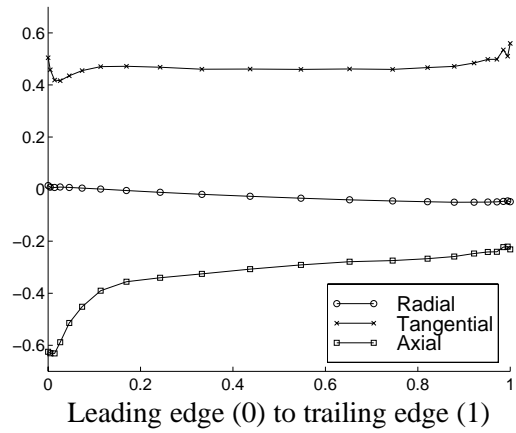
(a) k15



(b) k138

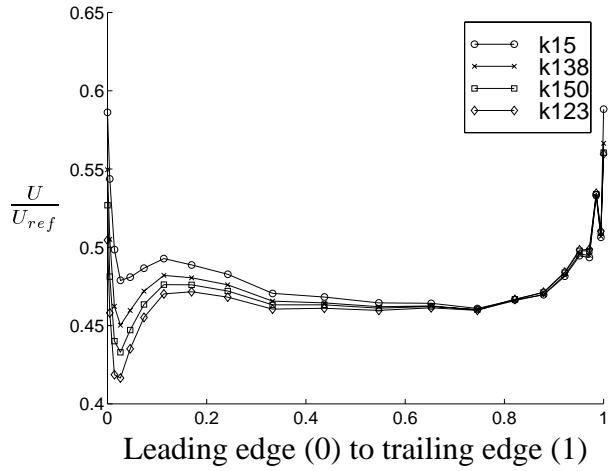


(c) k150

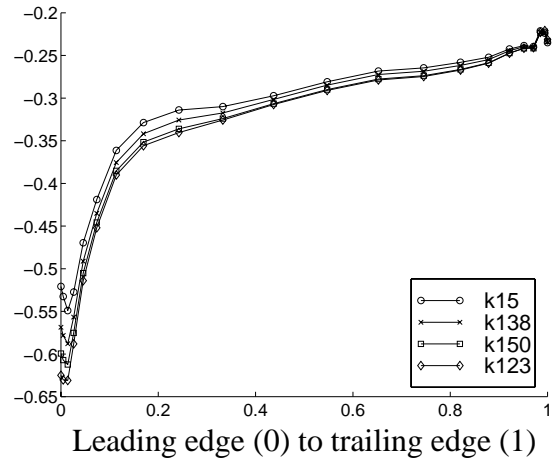


(d) k123

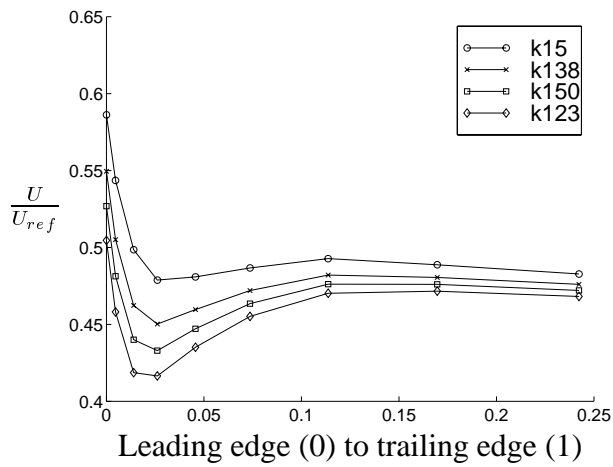
Figure 2.9: Tip clearance relative velocity profiles.



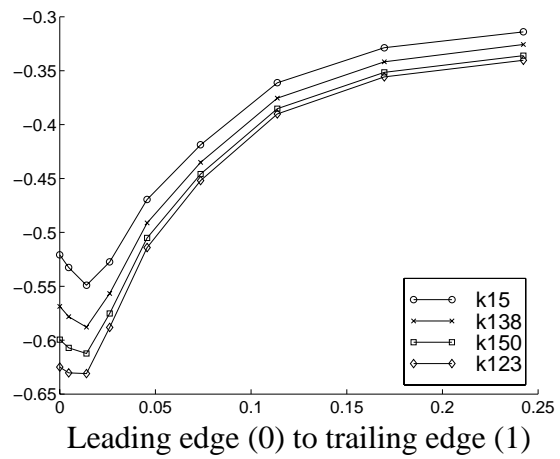
(a) Tangential



(b) Axial

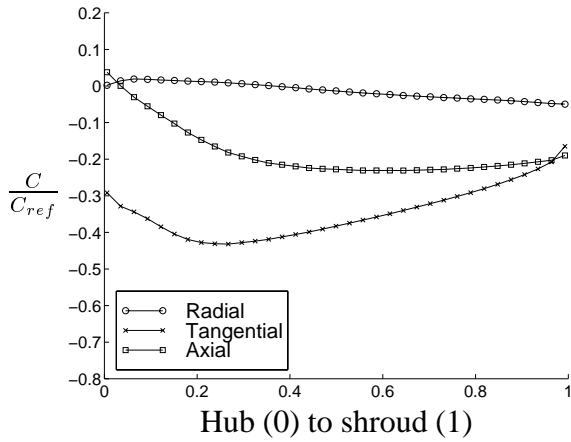


(c) Tangential (zoom)

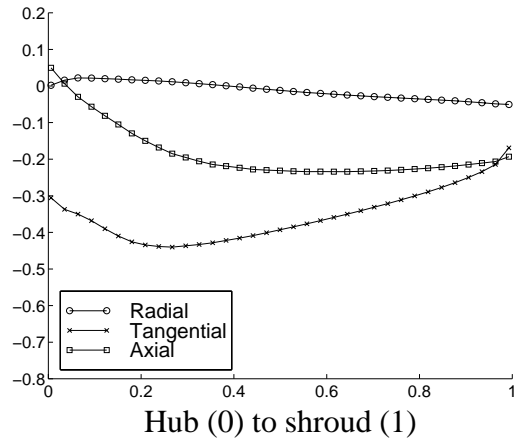


(d) Axial (zoom)

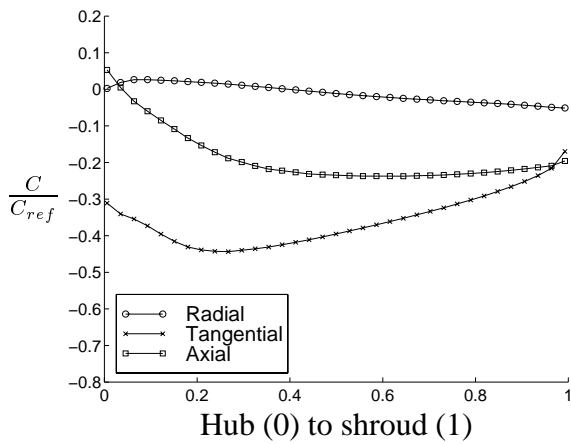
Figure 2.10: Tip clearance relative velocity profiles.



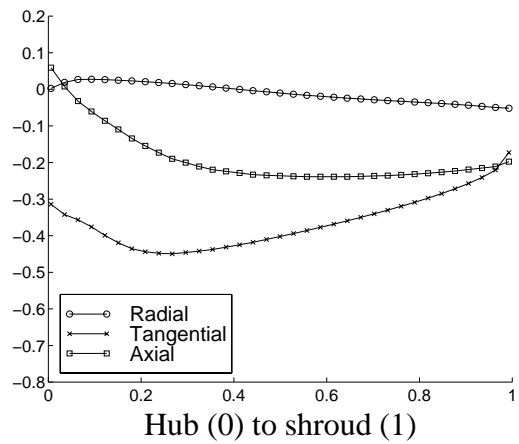
(a) k15



(b) k138



(c) k150



(d) k123

Figure 2.12: Circumferentially averaged absolute velocity profiles at $y=0.071\text{m}$.

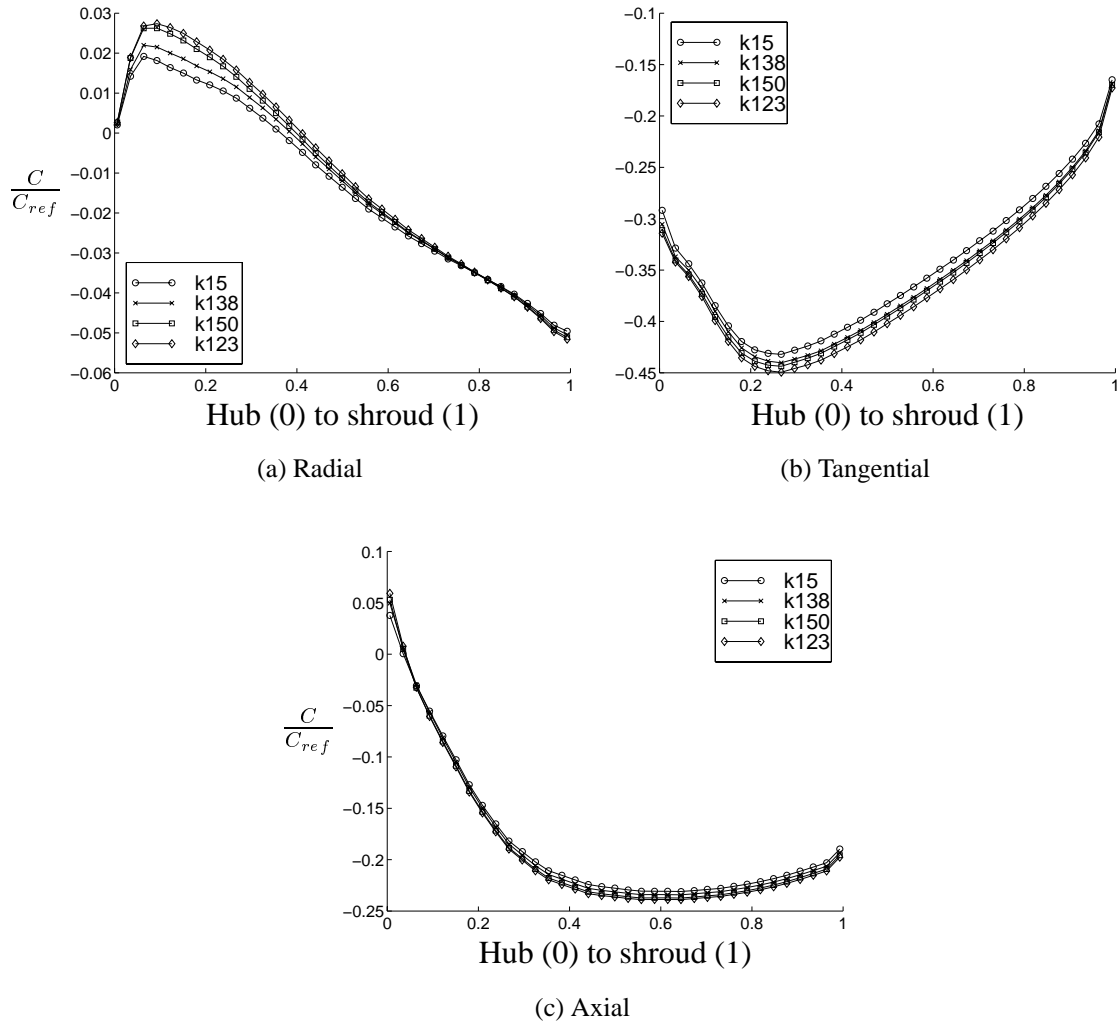
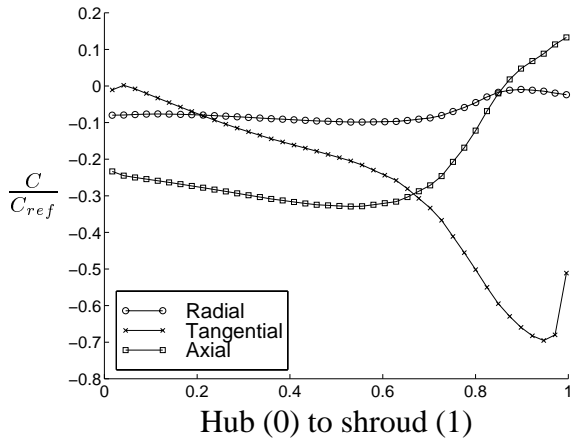
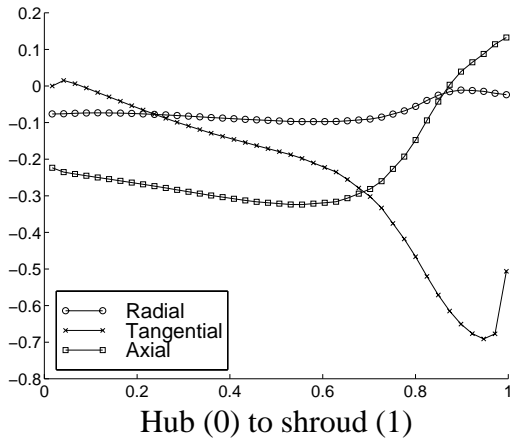


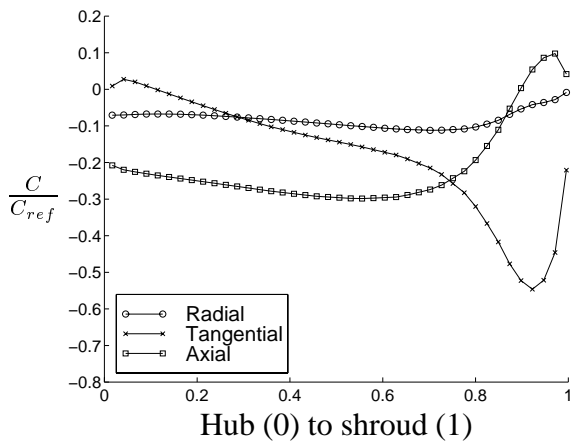
Figure 2.13: Circumferentially averaged absolute velocity profiles at $y=0.071\text{m}$.



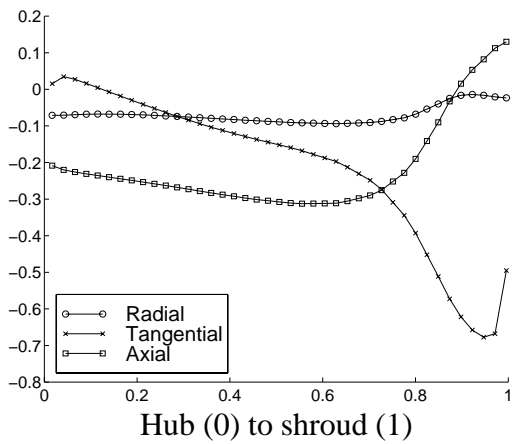
(a) k15



(b) k138



(c) k150



(d) k123

Figure 2.14: Circumferentially averaged absolute velocity profiles at $y=-0.137\text{m}$.

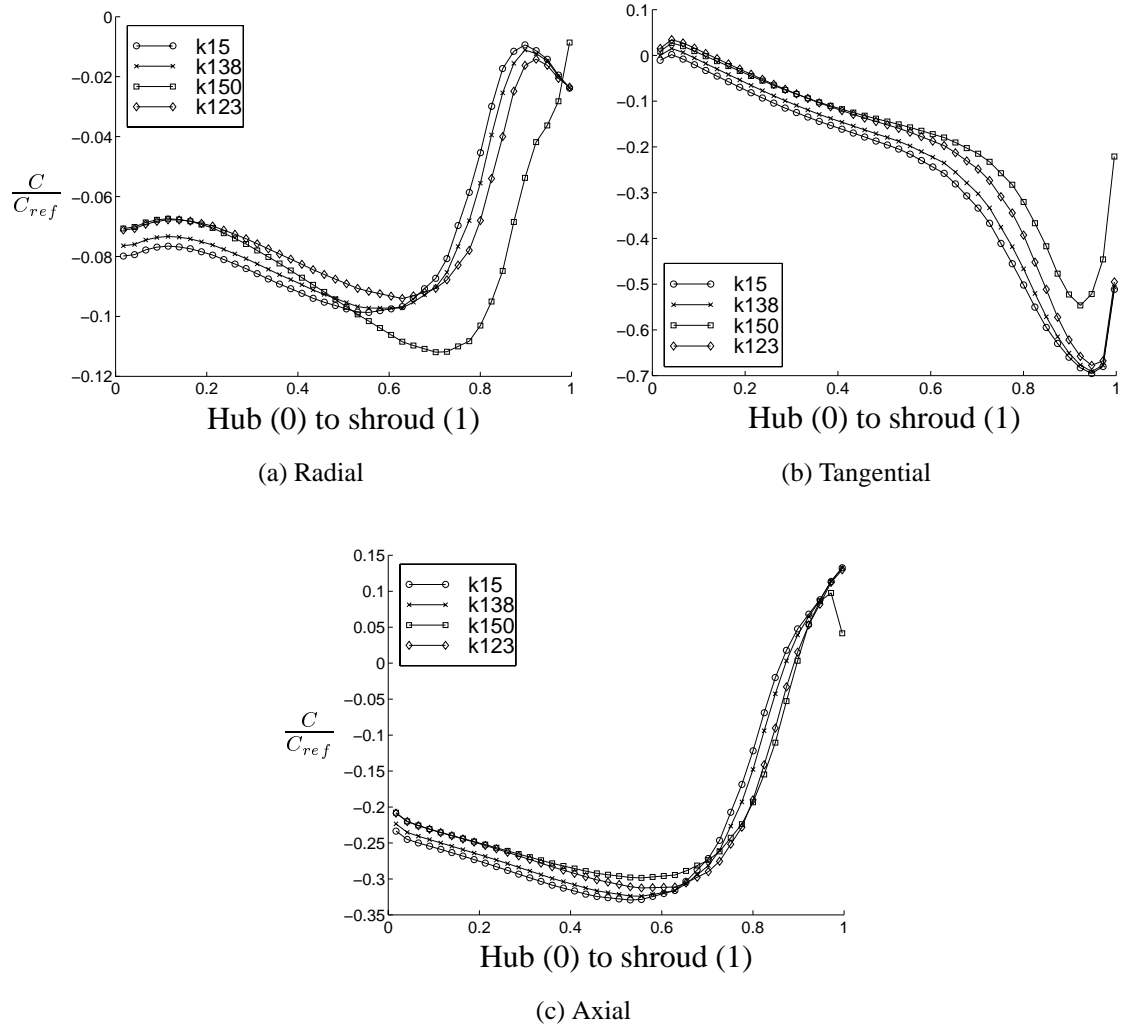


Figure 2.15: Circumferentially averaged absolute velocity profiles at $y=-0.137m$.