

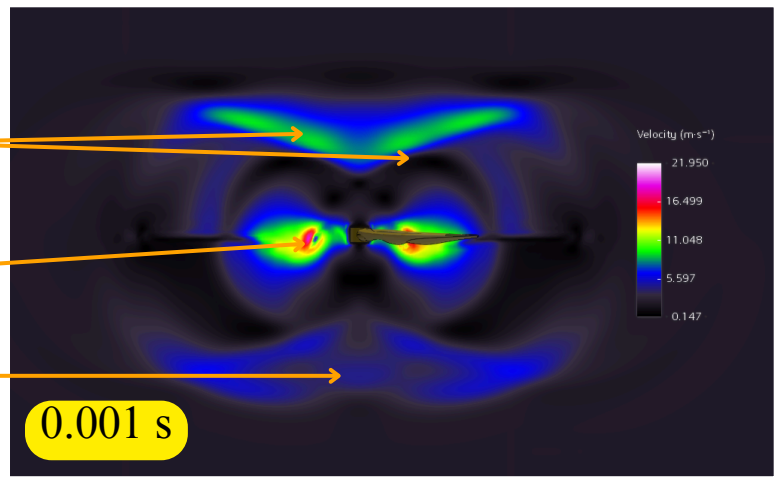
# Toroidal Propeller - 12° - 2 m/s

Symmetrical flow pattern

Minimal vortex formation

Downwash effects

0.001 s

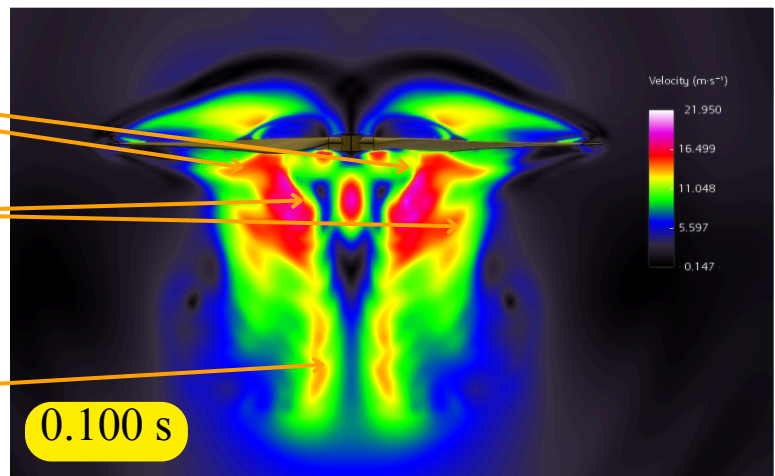


Symmetrical vortex structure

Starting to impart momentum/foppl vortices

Symmetrical wake structure with flow separation

0.100 s

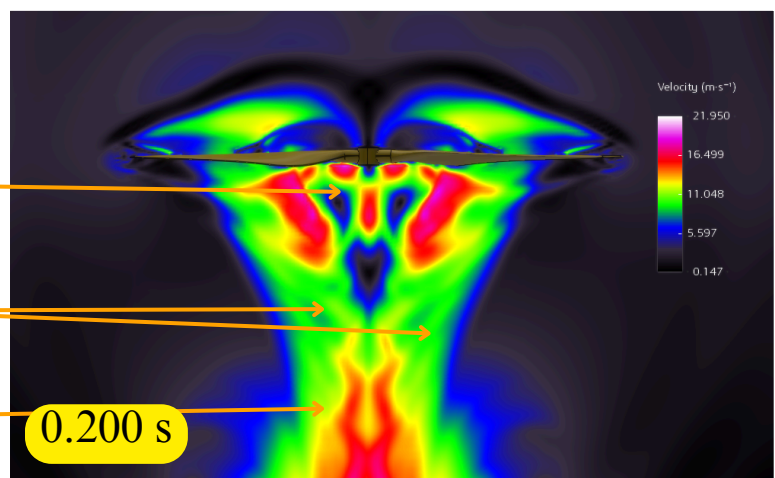


Symmetrical vortex formation

Symmetrical wake structure

Shear layer formation

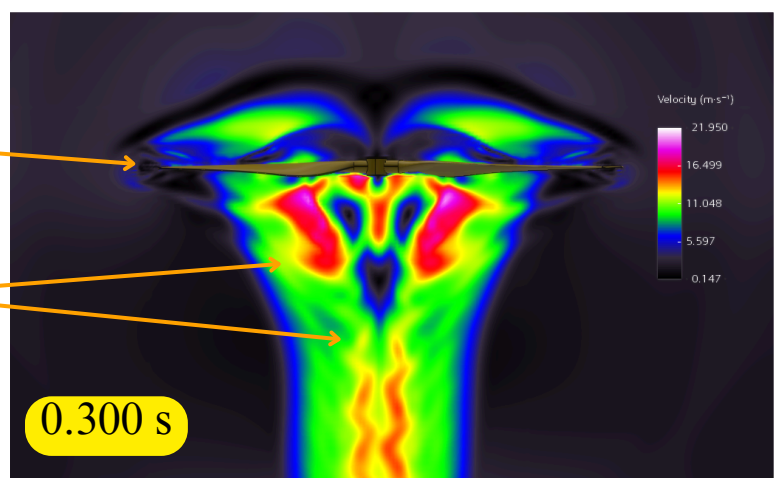
0.200 s



Strong tip vortices

Well-defined vortex structures and shear layers

0.300 s



Foppl vortices

Fully turbulent wake formation

0.400 s

