

Vórtice de ponta de asa



Dryden Flight Research Center ECN 3831 Photographed 1974
B-727 vortex study NASA photo



Winglet



Winglet

**Vortices Change Relative
Wind At Wingtip**

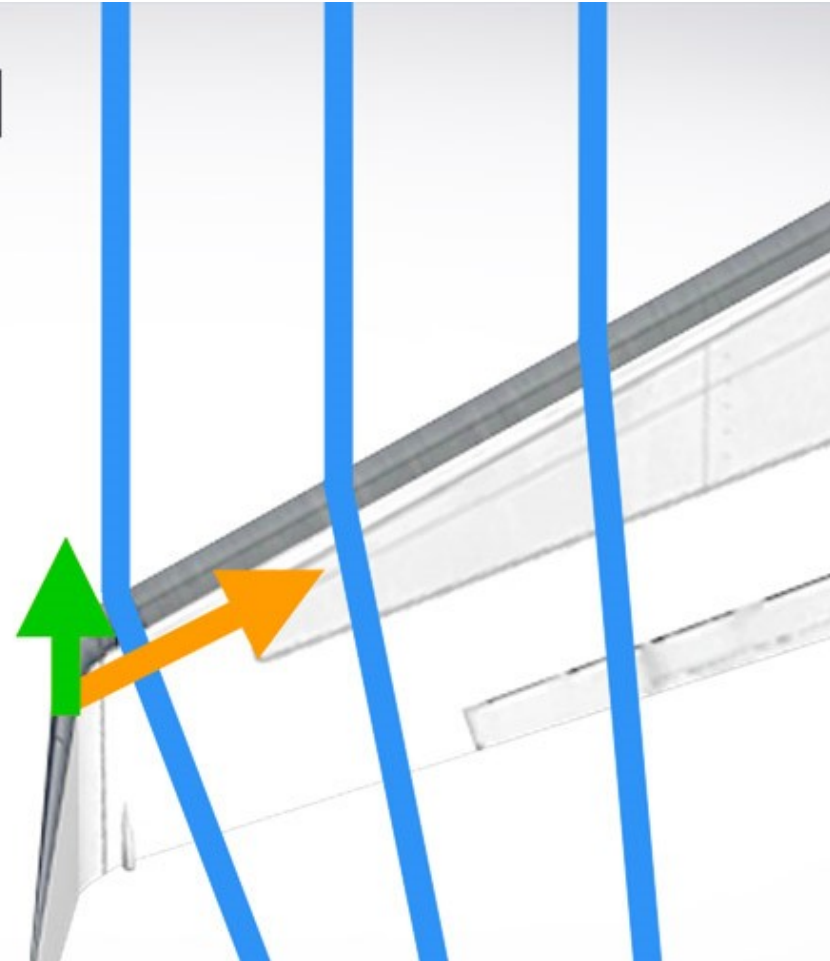


Fonte: <https://www.boldmethod.com/learn-to-fly/aerodynamics/how-winglets-work-to-reduce-drag-and-how-wingtip-vortices-form/>

Winglet

Winglet Creates Forward Lift Component

Green = Forward Lift Component



Fonte: <https://www.boldmethod.com/learn-to-fly/aerodynamics/how-winglets-work-to-reduce-drag-and-how-wingtip-vortices-form/>

Winglet

Additional Thrust

The angle at which the winglets' airfoils diverge from the relative wind direction, determine the magnitude and orientation of the lift force generated by the winglet itself. By adjusting these so that the lift force points slightly forward, additional thrust is achieved

