

MN FAASTeam presents:

Newton vs Bernoulli - How is lift created?

Join us for A VIRTUAL cup of coffee, a donut, and a LIVE WEBINAR! Aerodynamic lift is just one component of the total aerodynamic reaction force created by a wing or blade moving through the fluid (air). The other component is aerodynamic drag. Lift and drag do not exist as separate forces in nature. Various descriptions of lift generation exist. Common source of confusion among aviators is whether lift is created due to Newtonian laws or (Daniel) Bernoulli's principle or a mixture of both. The experimentally observed Bernoulli's principle originates from the Euler equation which is the application of Newton's 2nd law for inviscid fluid systems. There is no contradiction! While the Newtonian laws of classical mechanics cannot be violated, Bernoulli's energy and linear momentum principle offers easier and more natural description and insights of the pressure and velocity changes over the wing or blade. The laws of nature exist in harmony and do not contradict each other.

Event Details

Sat, Apr 2, 2022 - 09:00 CDT

--

--

--

Foreign, FN 00000



Contact: LAURA JEAN HERRMANN

952-210-8600

ljherrmann@yahoo.com

Select #: GL15109627

Lead Representative LAURA JEAN
HERRMANN

Directions: If you want to attend, you must sign up ahead of time.

Register using link below:

https://faavideo.zoomgov.com/webinar/register/WN_UxRwPdftRLm5FyhHdAL4RQ

You will receive a second e-mail with a link to join the webinar.

JOIN US EVERY SATURDAY AT 0900 CT!

THIS EVENT WILL NOT BE RECORDED

A message from the National FAASafety Manager

Earn your WINGS to get a chance to win a cash prize. Go to

www.mywingsinitiative.org

for more info.

Join us on Facebook: <https://www.facebook.com/groups/GASafety/>

Sign up for the FAA's safety services at www.FAASafety.gov!

The FAA Safety Team (FAASafety) is committed to providing equal access to this meeting/event for all participants. If you need alternative formats or services because of a disability, please communicate your request as soon as possible with the person in the "Contact Information" area of the meeting/event notice. Note that two weeks is usually required to arrange services.