

Mathematics for Natural Philosophy: Physics

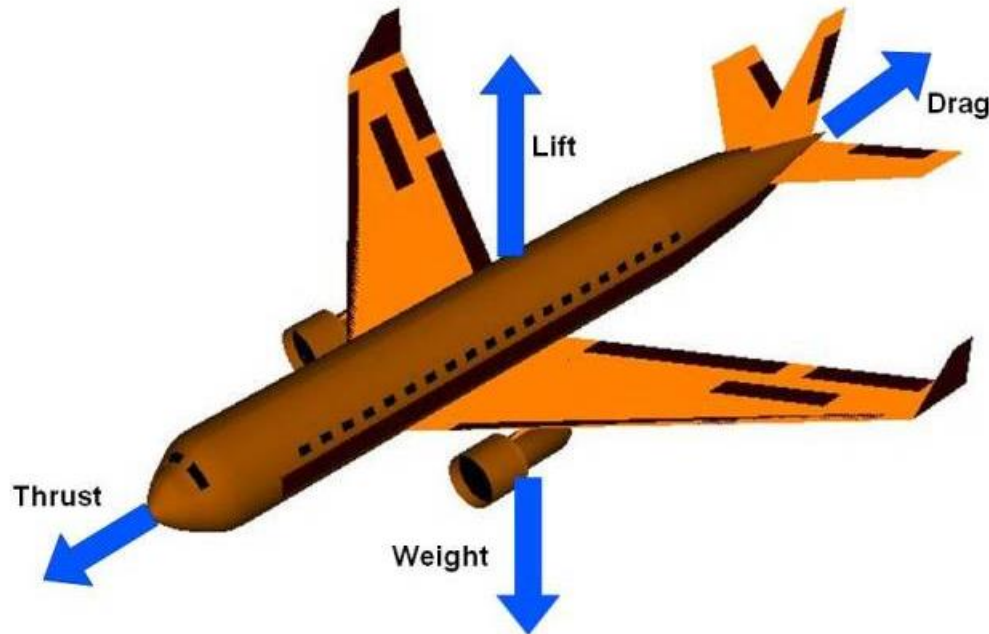
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National Aeronautics and Space Administration

Four Forces on an Airplane



Mathematics for Natural Philosophy: Physics

Tuesday/Thursday
11:00-12:00

JULY 5, 7, 9, 12, 14, 19, 21, 26, 28; AUGUST 2, 4

This Club will focus on the five top topics suggested by the **Mathematical Association of America** for **Physics** students: Formula and unit conversions; significant figures; Proportions; Expressions involving exponents and logarithms; and Force Diagrams. Ideal preparation for upcoming **SCHOLÉ ACADEMY's Introductory Physics**.

My Goal for Natural Philosophy Clubs: All would grow in “**ORDO AMORIS**” (i.e., “**Love for God's Orderliness**”) and beauty found in **His “OPERA DIGITORUM**” (i.e., “**The Work of Your Fingers,**” *Psalm 8: 3*) as they gain understanding and confidence in **Natural Philosophy** (i.e., “**Love of Wisdom**”).

ABOUT THE INSTRUCTOR:



Greetings **Summer 2022 Natural Philosophy: Physics** attendees from glacially formed **Lake Louise** in **Banff National Park**, Alberta, Canada (left above). Notice all three states (ice, mist, and liquid) of water are in the picture.

I'm **Dr. Ralph "Rafe" E. Spraker, Jr.** and I look forward to interacting with each of you. I maintain a two-mile segment of the **Mountains to the Sea Trail** from the "Raven Rock" [BRP Milepost 290 see above right] to the "Aho Gap" [BRP Milepost 288, Elevation 3722] which parallels the **Blue Ridge Parkway** near my home in Boone, NC.

I earned: my **Ph.D.** from the **University of South Carolina** (2010); 3 Master's degrees including an **MSSE** from **Montana State University, Bozeman** (2011); and my Bachelor's degree from **BIOLA University** (1983). I currently teach for **SCHOLÉ ACADEMY: Algebra, Chemistry, Physics**, and:

Information Technology & Statistics*

Northcentral University

Algebra, GeoLogia, & Physics

Ohio Christian University

Algebra

Pacific Islands University

Biology, Chemistry, & Physics

Southern New Hampshire University

***Graduate level**

I enjoy **Confessional Lutheran** and **Patristic** theology (**SOLUS CHRISTUS**) and use the **1928 Anglican Prayer Book's Coverdale Psalter** "Morning and Evening."

In the Lamb,

Dr. Rafe Spraker

QUIA LEX PER MOSEN DATA EST
GRATIA ET VERITAS PER IESUM CHRISTUM FACTA EST
IOANNES I : XVII