

“Teaching Scientists the Idiom of Their Science” LSPHE 2017

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- Do we need to know all the terminology?

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- Do we need to know all the terminology?
- Do we teach students their science?

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- Do we need to know all the terminology?
- Do we teach students their science?
- What do we teach if we don't even know the terminology?

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boundary layer

boundary layer calculation
properties
flow
growth
separation
state
theory
thickness
transition (to turbulence)

forced convection boundary layer

×

free convection boundary layer

Boundary layer *separation*

×

Boundary layer *re-attachment*

Boundary layer → can be *“thin”*

×

Boundary layer → can be *“thick”*

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 - “friction drag”

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- compound nouns contain additional information on a subject-specific concept
 - “friction drag”
 - “pressure drag”