T. 4.0 454 1240 "
Turbalence "Stoueture"
- Rother than focus on time series data for
Statistical information - Examine the
Sow structure (topology) to better
understand underlying flow physics.
Examples
"coherent structures"
How to observe Llow viz (qualitive) -> guanitative?
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Vortical structures
Critical pt. Analysis
Lagrangian Coherent Structures
Large Scale Structures:
Decom sesa A. Ele
De compose the Flow
Helmhotz's Decomposition:
Helmhotz's Decomposition: (18003) V= grad \$\phi + corlA
pirot contrib al
rot. contrib -> \$ - scalar potential rot. contrib -> A - vector potential
rol- control potential
$\bullet \ \forall \cdot \lor = \forall \stackrel{>}{\phi}_{2},$
Schemes:
· VITA (Variable Interval Time Averaging)
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