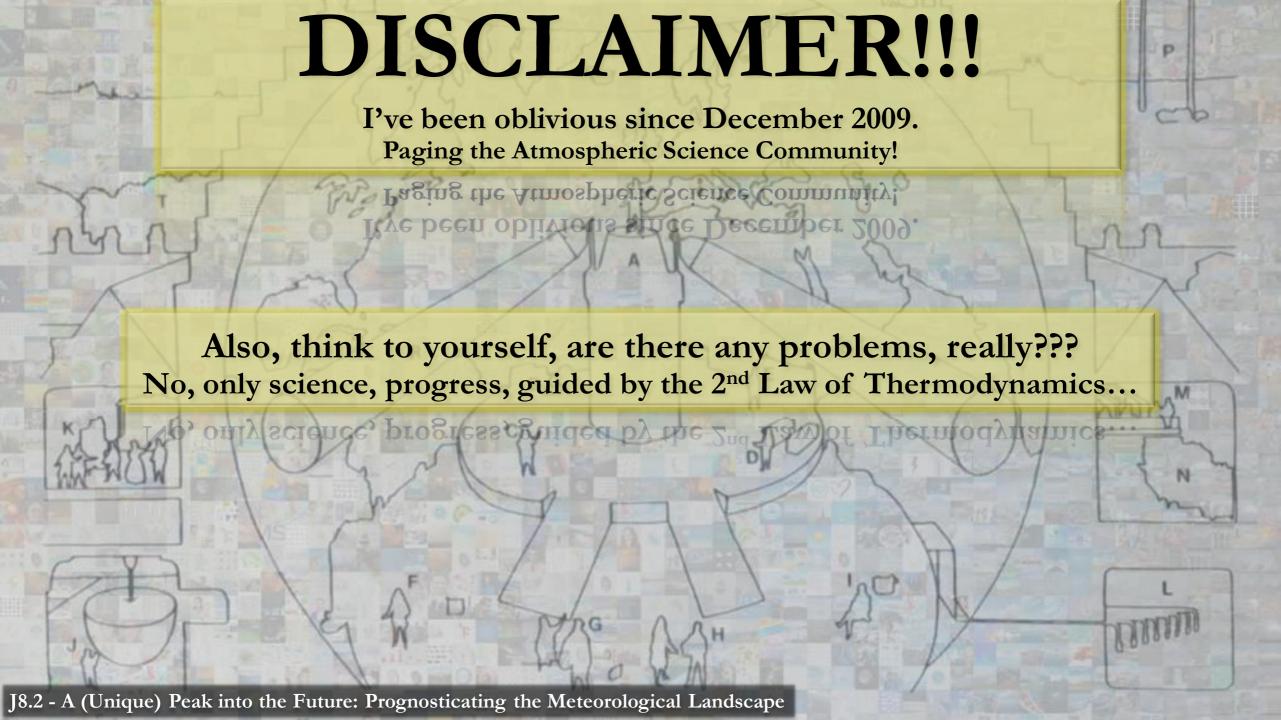


Bul

STEPHEN, CONUN

# J. Cory Demko

Joint Session with the Second Symposium on the Future of Weather, Forecasting, and Practice and 23rd Conference on Artificial Intelligence for Environmental Science - Joint Session J8 - Living in a Changing Environment: Applications of Artificial Intelligence and Machine Learning for Weather Forecasting



# WELCOME.

# COME FEEL THE LOVE

What started as a small family business in 1952 has grown to become an East Coast icon of awesome food crucial convenience, and kille customer service. Sheetz is still family owned, but today we're a bit bigger with over 460 stores across a six-state footprint including Pennsylvania

Ohio, Virginia, West Virginia, Maryland,

and North Caroline.

Our loyal fans, known as Sheetz Freakz, visit us for our huge selection of Made-to-Order food and drinks. With a vast assortment of convenience store essentials, clean rest rooms, and low-priced gasoline, we cover all your

# **BURGERZ & CHICKEN**

PREMIUM

MADE-TO-ORDER

CARDERNA SLAW

THE BOSS BACON

TWISTED BRUNCH

THE BIG MOZZ

ATOMIC

BURGERS

### CHICKEN SANDWICHES

HOMESTYLE CRISPY, PREHIUM GRILLED OR SPICY CRISPY

> MADE-TO-DROER CAROLINA SLAW

> THE BOSS BACON

SMOTA TWISTED BRUNCH



# SHNACKZ&SIDEZ

## MAC-N-CHEESE

CHILLIMAC-N-CHEESE REGULAR MAC-N-CHEESE

THREE CHEESE MAC-N-CHEESE

## GOURMET PRETZELS

CHEESE FILLED CINNAHON SUGAR JALAPEÑO CHEESE PLAIN (NO SALT) SALTED

#### SHWINGZ

FULL OR HALF DOZEN NAKED

BUFFALD BBQ GLAZE

SPICY ASIAN. OLD BAY

BOOM BOOM



### FRIED APPS

FRED PICKLES JALAPEÑO POPPERS MAC-N-CHESE BITES

MOZZARELLA STICKS POPCORN CHICKEN.

SAMPLER PLATTER Jalapeño poppers, Mac-n-cheese bites, Mozzarella sticks

## QUESADILLAS

CHEESE GRILLED CHOKEN STEAK

# BURRITOS

GRELED CHICKEN VEGETARIAN STEAK PULLED PORK

# CHICKEN STRIPZ

FRYZS & RINGS

CHEESE FRYZ PLATTER

GARLIC FRYZ PLATTER

GRANDE FRYZ PLATTER

CHEESE FRYZ SIDE ORDER

FRYZ BAG/BUCKET/CUP

SLIDERZ

BURGER SLIDERZ

MEATBALL SLIDERZ

CHISPY CHICKEN SLIDERZ

BURGER SHNACK WRAP

SHNACK WRAPZ

CRISPY CHICKEN SHNACK WRAP

CHILLI CHEESE FRYZ PLATTER

SHMOKEHOUSE FRYZ PLATTER

DISON RINGZ BAG/BUCKET/CUI

3PC 5PC

# NACHOS

NACHOS & CHEESE NACHOS GRANDE SIDE ORDER (CHEESE)

# OTHERS

COLESLAW HARD BOILED EGGS RICE & BEANS



PIZZA BY THE SLICE

### SIGNATURE PIZZAS

BUFFALO CHICKEN MEAT OVERLOAD PHILLY CHEESESTEAN VEGGE MADE-TO-ORDER

## CHEESE OR PEPPERONI PEPPEROLIS

# SALADZ & WRAPZ

#### SALADZ

CHICKEN CAESAR TACD CHEF (HAM & TURKEY) CRISPY CHICKEN GARDEN GRIELED CHICKEN

STEAK

## WRAPZ GRILLED CHICKEN (HOT) STEAK (HOT)

CHICKEN SALAD CLUB CONBO DELL **TEALIAN** 

TUNA SALAD TURKEY

VEGGIE ROAST BEEF CHICKEN CAESAR

# SUBZ & DOGZ

## HOT SUBS

**GRILLED CHICKEN** 

.Made-to-order .Southwest \*Shmokehouse \*Cordon Birus

MEATBALL

PEPPERONI

PULLED PORK STEAK SUB

\*Made-to-order \*Southwest

\*Shmokehouse PRETZHL MELTZ

\*Bacon \*Country Club \*Ham \*Roast Beef \*Turkey

FLATEREAD

\*California Turkey \*Cuban \*Grilled Cheese

## COLD SUBS

BLT

CHEESE CHICKEN SALAD

CLUB COMBO DELI

HAM:

ITALIAN. THNA SALAD ROAST BEEF TURKEY SUB VEGGIE

ALTERNATION AND ADDRESS OF

# HOTDOGZ

HOTDOG MADE TO ORDER JALAPEÑO CHEDOAR DOG

# YOU'RE **HUNGRY?**

Never fearl At Sheetz, we utilize cutting edge Central Pennsylvanian technology to allow you to order your food ELECTRONICALLY through a touchscreen. Browse our extensive menu and of a finger. Quick. Easy. Nonverbal. Nothing wrong with that.

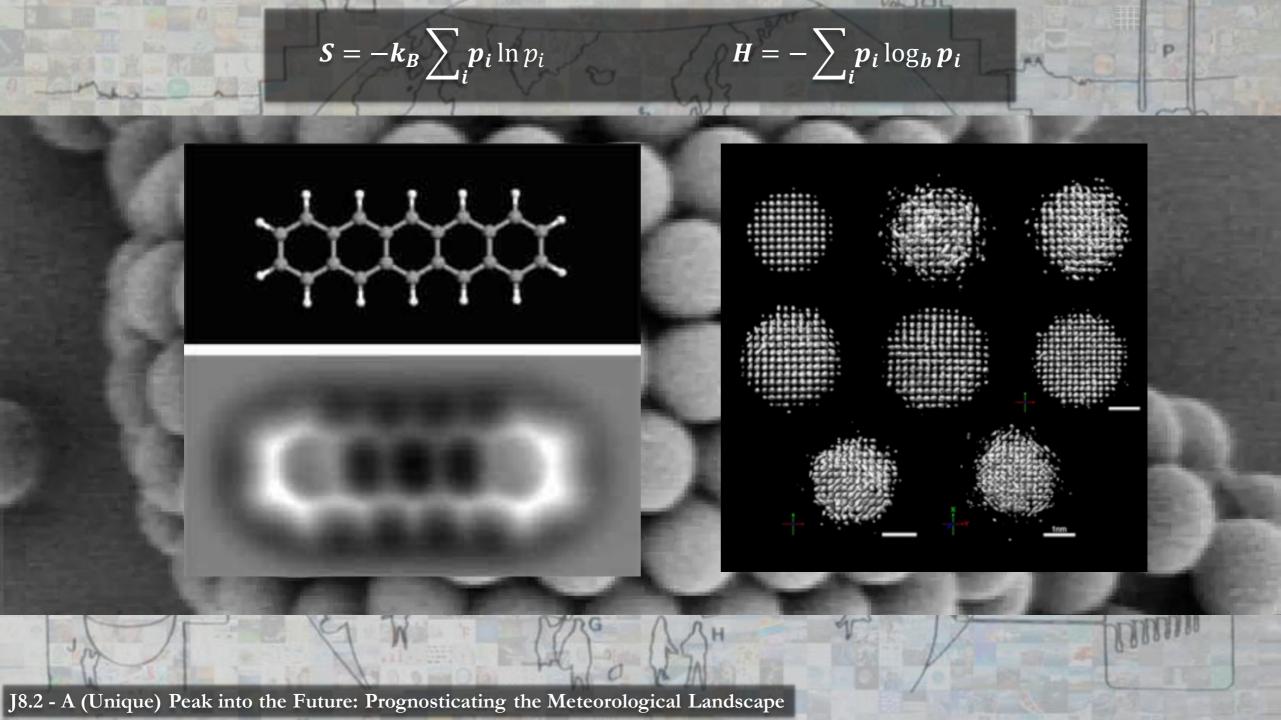
You like pickles or hate em? You want ketchup with sauerkraut, jalapenos, ketchup, mayonnaise and onlons? You got it. This amazing system has a name, and that name is MADE-TO-ORDER!.

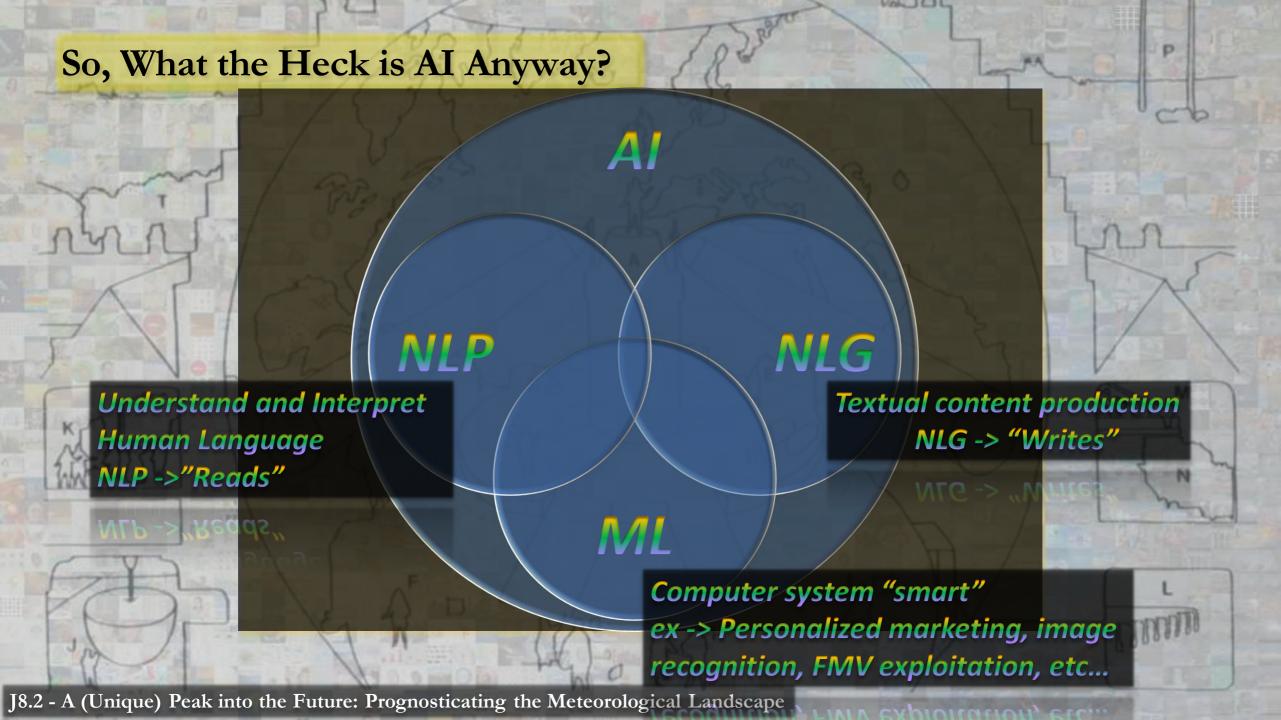
> or M+T+Oo as we call it for short. Get exactly what

want it- 24/7. That's pratty convenient

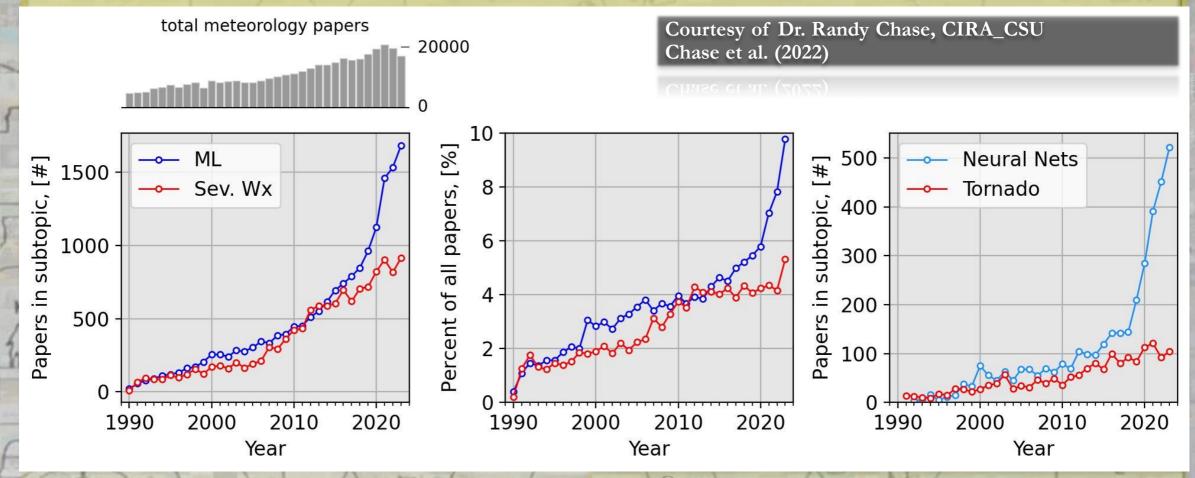
> THE TOUGHSCHEEN. CELAR YOUR RECENT TAKE YOUR RECEIPT PAY FOR YOUR MEAL DICK UP YOUR ORDER

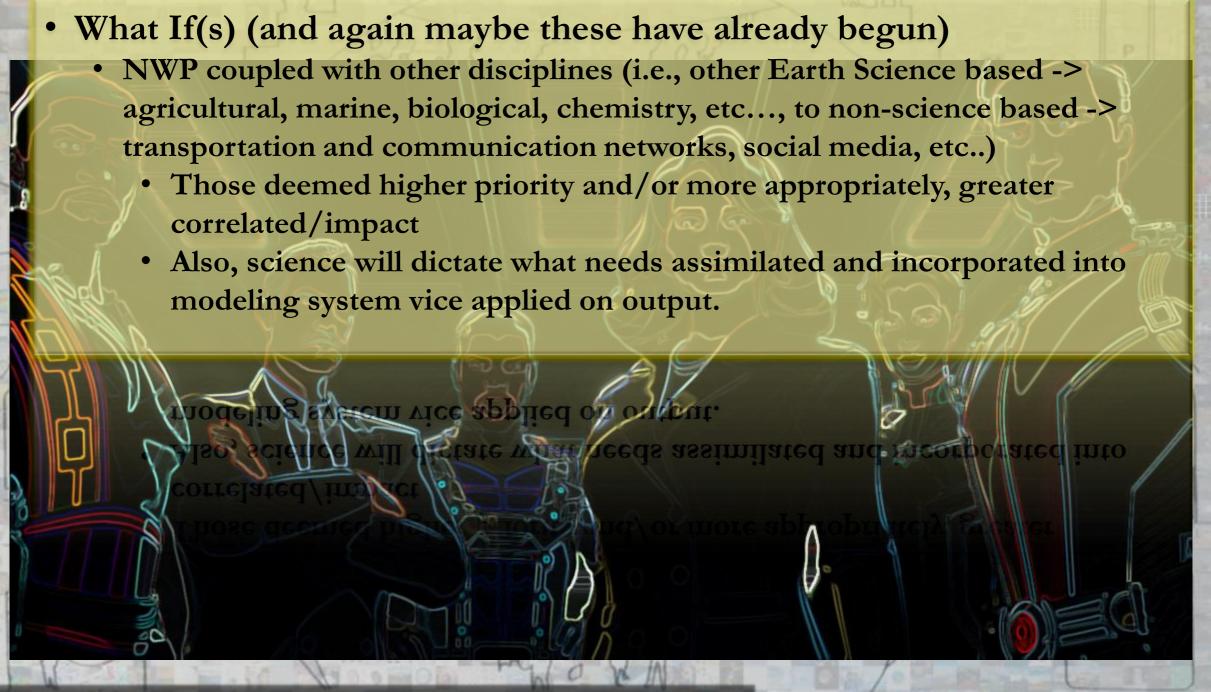




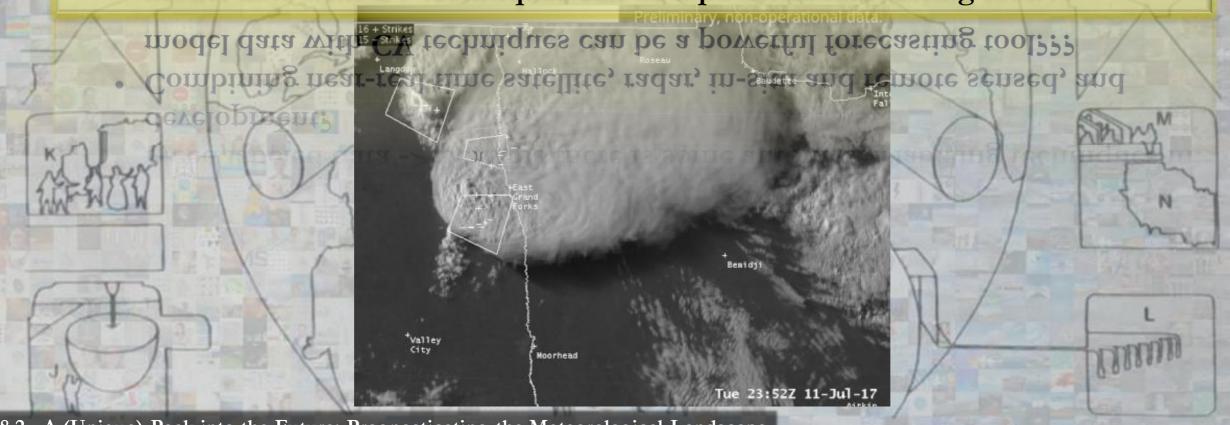


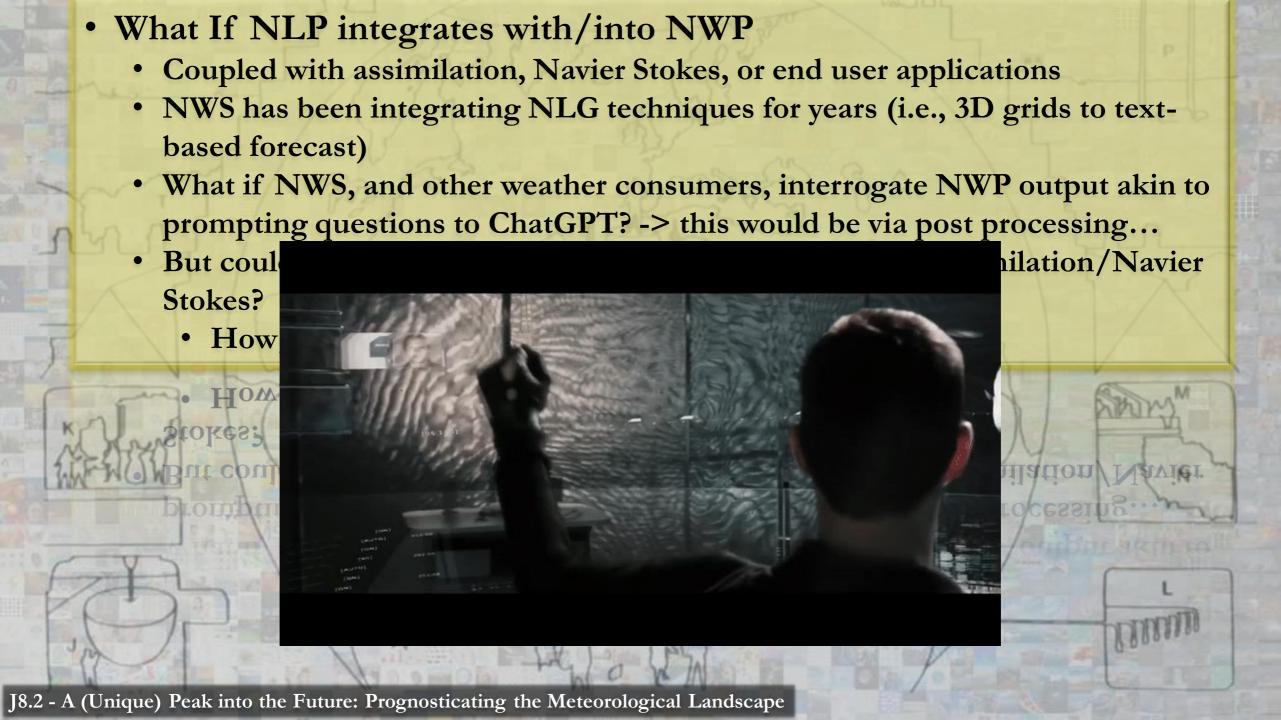
- Atmospheric science begins researching Data Science applications, mainly ML techniques
- Lagging behind but catching up are CV applications -> mainly from complexity

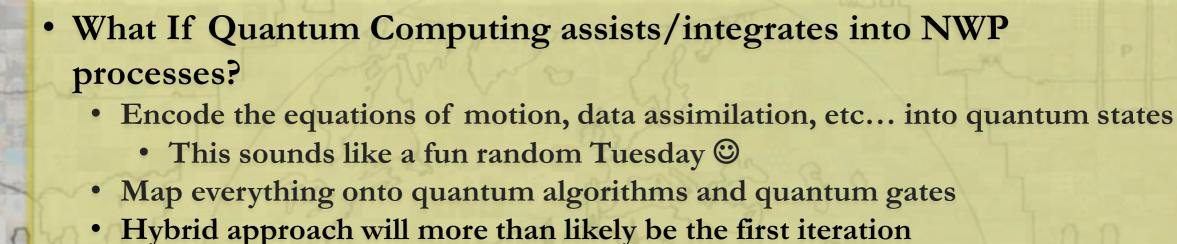




- What If CV integrates into meteorological/NWP processes?
  - What does the meteorological community have plenty of? -> Images ->
     Primed for CV
  - Need labeled data -> perhaps there is some automated labeling techniques in development?
  - Combining near-real time satellite, radar, in-situ and remote sensed, and model data with CV techniques can be a powerful forecasting tool???

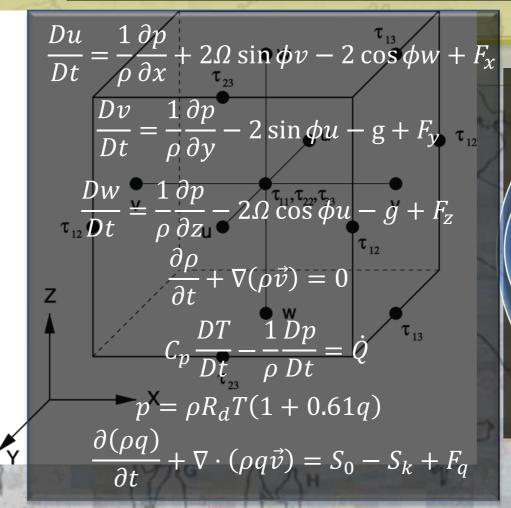






Hybrid approach will more than likely be the first iteration everything onto quantitin algorithms and quantum gates J8.2 - A (Unique) Peak into the Future: Prognosticating the Meteorological Landscape

- What If Treating Non-Traditional Information as Fluids...i.e., Integrating Information Theory into Fluid Dynamics
  - Everything is probabilistic related with everything and given an adequate scientific and mathematical framework...\_



Vector

ML

Text

- So where are we all headed...
  - Earth Science Community needs to/continues being the exemplar community on numerical modeling/forecasting processes
  - Integration of responsible AI (which will include ML/CV/NLP)
  - Integration of non-traditional data sources into NWP
  - Integration of Information Theory into NWP (or NWP into Information Theory)
  - Direct communication with NWP with smart devices/other networks (i.e., NWP with transportation networks, personal homes, businesses, etc..., making weather forecasting ubiquitous)
  - NWP will morph into NHSM (Numerical Human and Societal Modeling)
  - Greater need for creating/developing/sustaining other planetary climatologies, NWP

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