CodeLabs - Variational DA

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Program

1. 3D Var

BASICS

Why optimize?

- All the problems we address in this course entail optimization:
 - ⇒ Inverse problems
 - → data assimilation problems
 - → parameter identification problems
 - ⇒ Surrogate modelling
 - ⇒ Machine Learning
- They are all based on the underlying theoretical problem:
 - ⇒ minimize a cost/objective/loss function over a vectoror function-space of coefficients

References

1. Please consult the list provided on the website:

CODE REFERENCES