LAPP
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Optimisation Summary

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LISTIC

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- Data :
  - Alignement
  - Contiguousness
  - Avoid memory allocation redundancies

Table

Optimisation : Going further

- C++ : Expressions template
  - Manage memory allocation redundancies
  - Do static computation
    - a little over cost at compilation time
    - no cost at execution time

- Code generators :
  - to write optimised kernels automatically
  - to write Python wrapper with C API

- Use existing code generator :
  - For CPU
    - Loopy
  - For CPU and GPU :
    - Tensor flow
    - Pytorch
    - Chainer