HIGH-PERFORMANCE OPERATOR EVALUATIONS WITH EASE OF USE: LIBCEED'S PYTHON INTERFACE
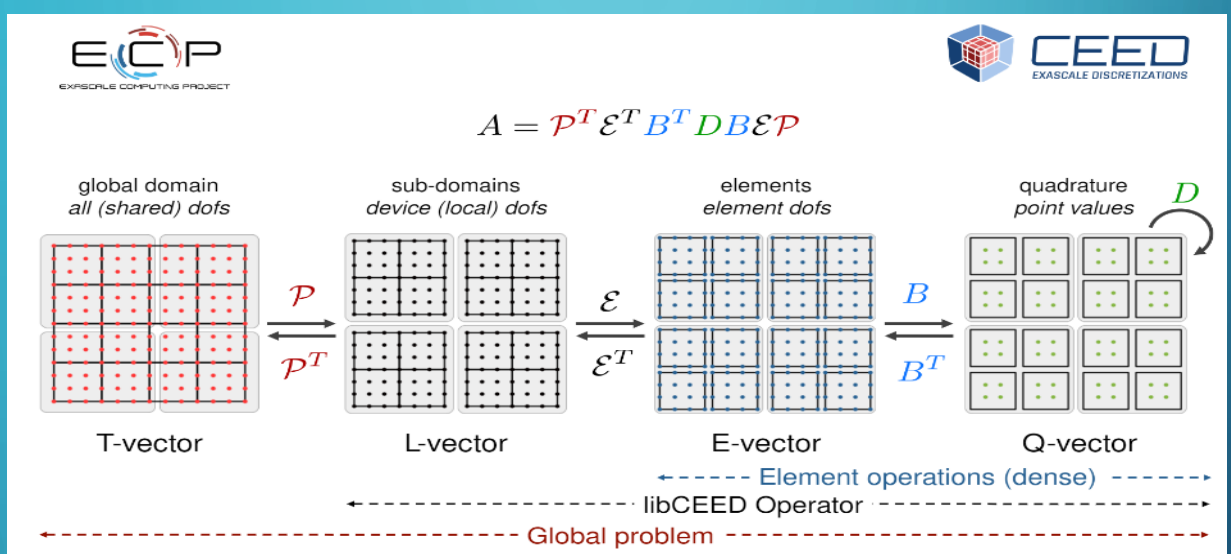
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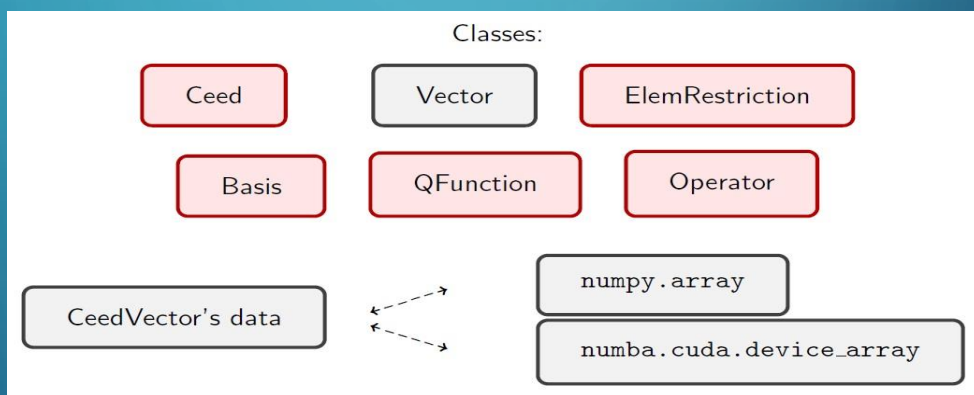1: University of Colorado Boulder, 2: Lawrence Livermore National Laboratory

What is the point of having a Ferrari, if you drive it stuck in second gear?

libCEED provides efficient operator evaluations to fully leverage the next generation exascale machines

$$A = \mathcal{P}^T \mathcal{E}^T B^T D B \mathcal{E} \mathcal{P}$$

libCEED's Python interface:

Documentation

Live Binder demo