D-TEC

- AMR Shift Calculus DSL with ROSE/Polyopt
  - 7.9x for 3D 125 pts stencil
  - 7.3x for 2D 81 pts stencil
- Halide DSL
  - 4.25x for MiniGMG
  - 1.8x on GPU for HPGMG
- Bamboo
  - 1.27x in 32K size for algebraic multigrid
  - 1.29x with 96K grid cells for 3D stencil
- LULESH with X10
  - 1.12x better performance
  - 40% fewer lines of code
- Global-View Resilience (GVR)
  - 85% parallel efficiency on 1K processes with less than 2% code change