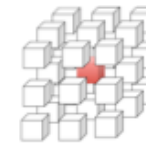
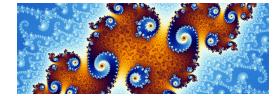
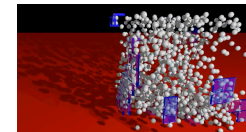
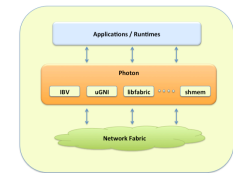


XPRESS Pathway to Production Software



DSL for linear algebra through
DOE NNSA DE-NA0002377 (PSAAP2)



Active global address space,
message driven, lightweight
threads, move work to data

Profugus, N-body,
LULESH, Mini-
Ghost, CMA,
MiniTri, GTCX,
BiCGStab, Photon

APEX (Autonomic
Performance
Environment for
Exascale) provides
energy savings

HPX (High Performance
ParalleX)

**Requirements and
Motivation**

TRL 1-2

**Application
Demonstration**

TRL 2-5

**Performance
Adaptation**

TRL 5-6

Production Software

TRL 8-9