

# Multiscale Causality Framework

(C++, distibuted memory, MPI, HTCondor)

Other optimization  
libraries

ipOpt  
(interior point methods)

PERMON

(quadratic programming)

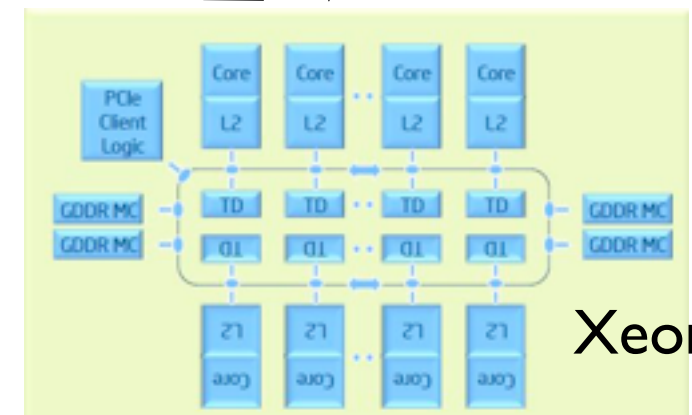
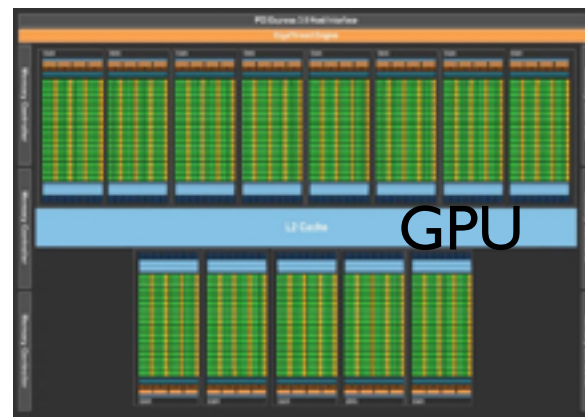
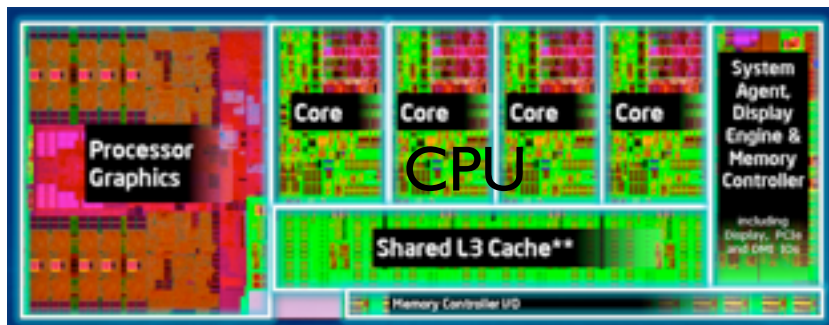
PETSc

(non linear problems)

Eigen  
(lin. algebra)

Minlin  
(lin. algebra)

ViennaCL  
(lin. algebra)



Xeon Phi