













Pointers

- A Cray feature that is now widely accepted by Fortran compilers
- MM5 uses pointers to handle nests
- Arrays in COMMON blocks appear as *COMMON/ADDR1/IAUA, IAUB, IAVA, ... POINTER (IAUA, UA(MIX,MJX,MKX)), ...*
- IAUA is an address for array UA
- MM5 has about 300 such addresses for all arrays/variables/constants associated with a single domain

NCAR/MMM







Code flow
 Main program is <i>Run/mm5.F</i> Initialization Main time loop for solver Calls first-level nest driver Main solver is <i>dynamics/nonhydro/solve.F</i>
 Calls dynamics and physics routines Advances one domain by one timestep Nest driver is <i>domain/drivers/nstlev1.F</i> Calculates nest boundary tendencies Calls solver for nest 3 times Calls next-level nest driver Finally calls feedback for nest



